

## Journal and Book Citations of Zoran Gajic's Publications

Excluding Professor Gajic's self-referencing

Total of **1091** citations (121 in books) = **180** by the associates and former students and **911** by the others.

1. **135** Gajic and Qureshi, *Academic Press*, 1995, *Dover Publications*, 2008.
2. **79** Gajic, Petkovski, and Shen, *Springer Verlag*, 1990.
3. **58** Koskie and Gajic, *IEEE/ACM Transactions on Networking*, 2005.
4. **44** Gajic and Shen, *Springer Verlag*, 1993.
5. **35** Khalil and Gajic, *IEEE Transactions on Automatic Control*, 1984.
6. **31** Gajic and Lim, *Marcel Dekker*, 2001.
7. **31** Gajic and Lelic, *Prentice Hall*, 1996.
8. **29** Song, Mandayam, and Gajic, *IEEE Journal of Selected Areas of Communications*, 2001.
9. **27** Aganovic and Gajic, *Springer Verlag*, 1995.
10. **27** Li and Gajic, *Annals of Dynamic Games*, 1995.
11. **27** Aganovic and Gajic, *IEEE Transactions on Automatic Control*, 1994.
12. **27** Grodt and Gajic, *IEEE Transactions on Automatic Control*, 1988.
13. **26** Gajic and Borno, *IEEE Transactions on Automatic Control*, 1995.
14. **23** Su, Gajic, and Shen, *IEEE Transactions on Automatic Control*, 1992b.
15. **21** Qian and Gajic, *Proceedings ICC*, 2002, also *IEEE Transactions on Wireless Communications*, 2006.
16. **20** Gajic and Losada, *Systems & Control Letters*, 2000.
17. **20** Bajic, Debeljkovic, Gajic, and Petrovic, *Series in Automatic Control*, 1992.
18. **17** Qian, Li, Attia, Gajic, *IEEE Workshop on LANMAN*, 2007.
19. **16** Lim and Gajic, *IEEE Transactions on Circuits and Systems*, 2000.
20. **15** Coumarbatch and Gajic, *IEEE Transactions on Automatic Control*, 2000.
21. **15** Borno and Gajic, *Computers in Mathematics & Applications*, 1995.
22. **15** Debeljkovic, Bajic, Gajic and Petrovic, *Series in Automatic Control*, 1993.
23. **15** Gajic, *International Journal of Control*, 1986.
24. **14** Koskie and Gajic, *DCDIS*, 2006
25. **14** Lelic and Gajic *Proceedings IFAC Workshop on PID Control*, 2001.
26. **14** Gajic and Khalil, *Automatica*, 1986.
27. **13** Gajic and Lelic, *ACC 99*, also *Automatica*, 2001.
28. **13** Coumarbatch and Gajic, *ASME Transactions Journal of Dynamic Systems Measurements and Control*, 2000.
29. **13** Gajic and Shen, *International Journal of Control*, 1989.
30. **13** Petrovic and Gajic, *Journal on Optimization Theory and Applications*, 1988.
31. **12** Gajic, *Systems & Control Letters*, 1988.
32. **11** Sorooshyari and Gajic, *IEEE Transactions on Wireless Communications*, 2008.
33. **11** Gajic and Lim, *IEEE Transactions on Automatic Control*, 1994.
34. **10** Kecman, Bingulac, and Gajic, *Automatica*, 1999
35. **10** Gajic, Petkovski, and Harkara, *IEEE Transactions on Automatic Control*, 1989.
36. **9** Aganovic and Gajic, *Journal on Optimization Theory and Applications*, 1995.
37. **8** Kecman and Gajic, *AIAA Journal of Guidance Dynamics and Control*, 1999.
38. **8** Qureshi and Gajic, *IEEE Transactions on Automatic Control*, 1992.
39. **7** Gajic, *Prentice Hall*, 2003.
40. **7** Gajic and Losada, *Automatica*, 1999.
41. **7** Lim and Gajic, *Optimal Control Applications and Methods*, 1999.
42. **7** Borno and Gajic, *Automatica*, 1995.
43. **7** Aganovic and Gajic, *Automatica*, 1993.
44. **7** Gajic and Shen, *IEEE Transactions on Automatic Control*, 1991.
45. **6** Prljaca and Gajic, *Automatica*, 2008.
46. **6** Prljaca and Gajic, *WSEAS Transactions on Systems and Control*, 2007.
47. **6** Qian and Gajic, *DCDIS/2003, American Control Conference*, 2001.
48. **6** Skataric and Gajic, *Automatica*, 1992.
49. **6** Shen and Gajic, *Automatica*, 1990.
50. **5** Koskie and Gajic, *ACC 2003 also IJISS 2007*.

**Z. GAJIC**, “Numerical fixed-point solution for near-optimum regulators of linear quadratic Gaussian control problems of singularly perturbed systems,” *International Journal of Control*, Vol. 43, 373–387, **1986**.

1. P. Kokotovic, H. Khalil, and J. O’Reilly, *Singular Perturbation Methods in Control: Analysis and Design*, Academic Press, Orlando FL, pp. 344, 1986.
2. D. Naidu, *Singular Perturbation Methodology in Control Systems*, IEE Press, London, pp. 15, 1988.
3. M. Salman, A. Lee, and N. Boustany, “Reduced order design of active suspension control,” *Transactions of ASME, Journal of Dynamic Systems, Measurements, and Control*, Vol. 112, 604–610, 1990.
4. K. Mizukami and F. Suzumura, “Closed-loop Stackelberg strategies for singularly perturbed systems: the recursive approach,” *International Journal of Systems Science*, Vol. 24, 887–900, 1993.
5. X. Shen, M. Rao, and Y. Ying, “Decomposition method for solving Kalman filter gains in singularly perturbed systems,” *Optimal Control Applications & Methods*, Vol. 14, 67–73, 1993.
6. Q. Xia, X. Shen, Y. Ying, and M. Rao, “Near-optimum steady state regulator for discrete singularly perturbed systems with a prescribed degree of stability,” *International Journal of Systems Science*, Vol. 24, 1145–1153, 1993.
7. H. Mukaidani and K. Mizukami, “The recursive algorithm of linear quadratic Gaussian (LQG) problems for nonstandard singularly perturbed systems,” *Transactions of Electrical Engineers of Japan*, Vol. 116–C, no. 12, 1382–1389, 1996.
8. H. Mukaidani and H. Xu, “The recursive algorithm for optimal regulator of nonstandard singularly perturbed systems,” *Transactions of the Society of Instrument and Control Engineers*, Vol. 32, no. 5, 672–678, 1996.
9. M. Lim, “A study on the solution of equations for decomposition of singularly perturbed systems,” *Journal of Engineering Science & Technology*, Vol. 34, 37–41, 1997.
10. H. Mukaidani, H. Xu, and K. Mizukami, “Recursive approach to  $H_\infty$  control problems for singularly perturbed systems under perfect- and imperfect-state measurements,” *International Journal of Systems Science*, Vol. 30, 467–477, 1999.
11. M. Lim, “A Novel approach for LQG control of singularly perturbed continuous stochastic systems,” *Journal of Electrical Engineering and Information Science*, Vol. 4, 159–164, 1999.
12. D. Naidu, “Singular perturbations and time scales in control theory and applications: An overview,” *Dynamics of Continuous, Discrete, and Impulsive Systems*, Vol. 9, 233–278, 2002.
13. D. Skataric, *Optimal Control of Quasi Singularly perturbed and Weakly Coupled Systems*, Planeta Press, Belgrade, 2005.
14. W-C. Jung, Y-J. Kim, and M-T. Lim, “Design of an Optimal Controller for Congestion in ATM Networks,” *Transactions KIEE*, Vol. 54D, 359–365, 2005.
15. H-G. Kang, B-S. Kim, and M-T. Lim, “Steady-state optimal control of singularly perturbed discrete bilinear systems.” *Dynamics of Continuous, Discrete and Impulsive Systems*, in press, 2011

**Z. Gajic and H. Khalil**, “Multimodel strategies under random disturbances and imperfect partial observations,” *Automatica*, Vol. 22, 121–125, **1986**.

16. P. Kokotovic, H. Khalil, and J. O’Reilly, *Singular Perturbation Methods in Control: Analysis and Design*, Academic Press, Orlando FL, pp. 344, 1986.
17. D. Naidu, *Singular Perturbation Methodology in Control Systems*, IEE Press, London, pp. 15, 1988.
18. H. Mukaidani, “Near-optimal control for multimodeling systems,” *Transactions of the Society of Instrument and Control Engineers*, Vol. 37, no. 10, 960–969, 2001.
19. H. Mukaidani, T. Shimomura, and K. Mizukami, “Algebraic expansions and a new numerical algorithm of the algebraic Riccati equation for multiparameter singularly perturbed systems,” *Journal of Mathematical Analysis and Its Applications*, Vol. 267, 209–234, 2002.
20. H. Mukaidani, H. Xu, and K. Mizukami, “Recursive computation of Pareto optimal strategies for multiparameter singularly perturbed systems,” *Dynamics of Continuous, Discrete, and Impulsive Systems*, Vol. 9, 175–200, 2002.
21. H. Mukaidani, T. Shimomura, and H. Xu, “Near-optimal control of linear multiparameter singularly perturbed systems,” *IEEE Transactions on Automatic Control*, Vol. 47, 2051–2057, 2002.
22. D. Naidu, “Singular perturbations and time scales in control theory and applications: An overview,” *Dynamics of Continuous, Discrete, and Impulsive Systems*, Vol. 9, 233–278, 2002.
23. H. Mukaidani, “Mash strategy for multimodeling systems,” *Transactions of the Society of Instrument and Control Engineers*, Vol. 39, no. 6, 559–568, 2003.
24. H. Mukaidani, “Near-Optimal Kalman Filters for Multiparameter Singularly Perturbed Linear Systems,” *IEEE Transactions on Circuits and Systems —I: Fundamental Theory and Applications*, Vol. 50, 717–721, 2003.
25. H. Mukaidani, H. Xua, and K. Mizukami, “New Results for Near-Optimal Control of Linear Multiparameter Singularly Perturbed Systems,” *Automatica*, Vol. 39, 2157–2167, 2003.
26. D. Skataric, *Optimal Control of Quasi Singularly perturbed and Weakly Coupled Systems*, Planeta Press, Belgrade, 2005.
27. H. Mukaidani, “A new approach to robust guaranteed cost controller for uncertain multimodeling systems,” *Automatica*, Vol. 41, 1055–1062, 2005.
28. H. Mukaidani and V. Dragan, “Control of deterministic and stochastic systems with several small parameters — A survey,” *Annals of the Academy of Romanian Scientists: Series on Mathematics and Its Applications*, Vol. 1, 112–140, 2009.

29. N. Kovacevic and D. Skataric, "Multimodel Control via System Balancing," *Mathematical Problems in Engineering*, Article ID 841830, 2010.
- Z. Gajic**, "Well-posedness of a model order reduction for singularly perturbed linear stochastic systems," *Optimal Control Applications and Methods*, Vol. 8, 305–309, **1987**.
30. D. Naidu, "Singular perturbations and time scales in control theory and applications: An overview," *Dynamics of Continuous, Discrete, and Impulsive Systems*, Vol. 9, 233–278, 2002.
- Z. Gajic**, "On the Quasi-Decentralized Estimation and Control of Linear Stochastic Systems," *Systems & Control Letters*, Vol. 8, 441–444, **1987**.
31. M. Andersland and D. Teneketzis, "Measurement scheduling for recursive team estimation," *Journal of Optimization Theory and Applications*, Vol. 89, 615–636, 1996.
32. S-H. Yang, *Internet Based Control Systems Design and Applications*, p. 5, Springer, 2011.
- Z. Gajic**, "The existence of a unique and bounded solution of the algebraic Riccati equation of multimodel estimation and control problems," *Systems & Control Letters*, Vol. 10, 185–190, **1988**.
33. H. Mukaidani, "Near-optimal control for multimodeling systems," *Transactions of the Society of Instrument and Control Engineers*, Vol. 37, no. 10, 960–969, 2001.
34. H. Mukaidani, T. Shimomura, and K. Mizukami, "Algebraic expansions and a new numerical algorithm of the algebraic Riccati equation for multiparameter singularly perturbed systems," *Journal of Mathematical Analysis and Its Applications*, Vol. 267, 209–234, 2002.
35. H. Mukaidani, H. Xu, and K. Mizukami, "Recursive computation of Pareto optimal strategies for multiparameter singularly perturbed systems," *Dynamics of Continuous, Discrete, and Impulsive Systems*, Vol. 9, 175–200, 2002.
36. H. Mukaidani, T. Shimomura, and H. Xu, "Near-optimal control of linear multiparameter singularly perturbed systems," *IEEE Transactions on Automatic Control*, Vol. 47, 2051–2057, 2002.
37. H. Mukaidani, "Mash strategy for multimodeling systems," *Transactions of the Society of Instrument and Control Engineers*, Vol. 39, no. 6, 559–568, 2003.
38. H. Mukaidani, "Near-Optimal Kalman Filters for Multiparameter Singularly Perturbed Linear Systems," *IEEE Transactions on Circuits and Systems —I: Fundamental Theory and Applications*, Vol. 50, 717–721, 2003.
39. H. Mukaidani, H. Xua, and K. Mizukami, "New Results for Near-Optimal Control of Linear Multiparameter Singularly Perturbed Systems," *Automatica*, Vol. 39, 2157–2167, 2003.
40. H. Mukaidani, "Recursive approach of optimal Kalman filtering problem for multiparameter singularly perturbed systems," *International Journal of Systems Science*, Vol. 36, 1–11, 2005.
41. D. Skataric, *Optimal Control of Quasi Singularly perturbed and Weakly Coupled Systems*, Planeta Press, Belgrade, 2005.
42. H. Mukaidani, "A new approach to robust guaranteed cost controller for uncertain multimodeling systems," *Automatica*, Vol. 41, 1055–1062, 2005.
43. H. Mukaidani and V. Dragan, "Control of deterministic and stochastic systems with several small parameters — A survey," *Annals of the Academy of Romanian Scientists: Series on Mathematics and Its Applications*, Vol. 1, 112–140, 2009.
44. M. Sagara, H. Mukaidani, and V. Dragan, "Near-optimal control for multiparameter singularly perturbed stochastic systems," *Optimal Control Applications and Methods*, Vol. 32, 113–125, 2011.
- Z. Gajic, D. Petkovski, and N. Harkara**, "The recursive algorithm for optimal static output feedback control problem of linear singularly perturbed systems," *IEEE Transactions on Automatic Control*, Vol. AC-34, 465–468, **1989**.
45. N. Khraishi and D. Petkovski, "Comment on improved time-domain stability robustness measures of linear regulators," *AIAA Journal of Guidance, Control, and Dynamics*, Vol. 14, 221–223, 1991.
46. K. Mizukami and F. Suzumura, "Closed-loop Stackelberg strategies for singularly perturbed systems: the recursive approach," *International Journal of Systems Science*, Vol. 24, 887–900, 1993.
47. S. Tzoo-Hseng, S. Li, and J—H. Li, "Optimal static feedback stabilization of singularly perturbed discrete-time systems," *IMA Journal of Mathematical Control and Information*, Vol. 11, 213–230, 1994.
48. N. Derbel, "A new decoupling algorithm of weakly coupled systems," *System Analysis, Modeling and Simulation*, Vol. 35, 359–374, 1999.
49. N. Ready, M. Bidani, and B. Bensassi, "Exact decomposition of multirate periodic sampled-data systems," *Systems Analysis Modeling and Simulation*, Vol. 41, 17–45, 2001.
50. D. Naidu, "Singular perturbations and time scales in control theory and applications: An overview," *Dynamics of Continuous, Discrete, and Impulsive Systems*, Vol. 9, 233–278, 2002.
51. D. Skataric, *Optimal Control of Quasi Singularly Perturbed and Weakly Coupled Systems*, Planeta Press, Belgrade, 2005.
52. H. Mukaidani, "A new approach to robust guaranteed cost controller for uncertain multimodeling systems," *Automatica*, Vol. 41, 1055–1062, 2005.

53. M. Dimitriev and G. Kurina, "Singular perturbations in control systems," *Automation and Remote Control*, vol. 67, 1–43, 2006.
  54. K.C. Yao, CY. Lu, WJ. Shyr, DF. Chen, "Robust output feedback control of decentralized stochastic singularly-perturbed computer controlled systems with multiple time-varying delays," *International Journal of Innovative Computing, Information and Control*, Vol. 5, 4407–4414, 2009.
- Z. Gajic, D. Petkovski, and X. Shen**, *Singularly Perturbed and Weakly Coupled Linear Systems—A Recursive Approach*, Springer Verlag, New York, 1990.
55. R. Srikant and T. Basar, "Iterative computation of noncooperative equilibria in nonzero-sum differential games with weakly coupled players" *Journal Optimization Theory and Applications*, Vol.71, 137–168, 1991.
  56. T. Basar and R. Srikant, "Iterative Computation of Nash Equilibria in M-Player Games with Partial Weak Coupling," in *Differential Games—Developments in Modelling and Computation*, R. Hamalainen and H. Ehtamo, (eds.), Springer-Verlag, *Lecture Notes in Control and Information Sciences*, Vol. 156, 245–256, 1991.
  57. J. Momoh and X. Shen, "Recursive approach to optimal control problem of multiarea electric energy system," *IEE Proceedings-D*, Vol. 138, 543–546, 1991.
  58. N. Khraishi and D. Petkovski, "Comment on improved time-domain stability robustness measures of linear regulators," *AIAA Journal of Guidance, Control, and Dynamics*, Vol. 14, 221–223, 1991.
  59. R. Srikant and T. Basar, "Sequential decomposition and policy iteration schemes for M-player games with partial weak coupling," *Automatica*, Vol. 28, 95–105, 1992.
  60. A. Weinmann, *Uncertain Models and Robust Control*, p. 690, Science, 1991.
  61. X. Shen, Y. Ying, and M. Rao, "Optimal control of singularly perturbed bilinear systems—A recursive approach," *Control—Theory and Advanced Technology*, Vol. 8, 721–729, 1992.
  62. R. Srikant and T. Basar, "Asymptotic solutions to weakly coupled stochastic teams with nonclassical information," *IEEE Transactions on Automatic Control*, Vol. AC-37, 163–173, 1992.
  63. X. Shen, "Solution of the singularly perturbed matrix difference Riccati equation," *International Journal of Systems Science*, Vol. 23, 403–410, 1992.
  64. Z. Trzaska and W. Marszalek, "Singular distributed parameter systems," *IEE Proceedings-D*, Vol. 140, 305–308, 1993.
  65. Q. Xia, X. Shen, Y. Ying, and M. Rao, "Near-optimum steady state regulator for discrete singularly perturbed systems with a prescribed degree of stability," *International Journal of Systems Science*, Vol. 24, 1145–1153, 1993.
  66. K. Reidel, "Block diagonally dominant positive definite approximate filters and smoothers," *Automatica*, Vol. 29, 779–783, 1993.
  67. X. Shen, Q. Xia, M. Rao, and Y. Ying, "Near-optimum regulators for singularly perturbed jump systems," *Control—Theory and Advanced Technology*, Vol. 9, 759–773, 1993.
  68. K. Mizukami and F. Suzumura, "Closed-loop Stackelberg strategies for singularly perturbed systems: the recursive approach," *International Journal of Systems Science*, Vol. 24, 887–900, 1993.
  69. X. Shen M. Rao, and Y. Ying, "Decomposition method for solving Kalman filter gains in singularly perturbed systems," *Optimal Control Applications & Methods*, Vol. 14, 67–73, 1993.
  70. X. Shen, V. Gourishankar, Q. Xia, and M. Rao, "Composite control of discrete singularly perturbed systems with stochastic jump parameters," *Journal of the Franklin Institute*, Vol. 331B, 217–227, 1994.
  71. N. Derbel and M. Kamoun, "Sur les méthodes de réduction de modèles linéaires singulièrement perturbés," *RAIRO APII*, Vol. 28, 53–66, 1994.
  72. X. Shen, Q. Xia, M. Rao, and V. Gourishankar, "Optimal control of large-scale systems: a recursive approach," *International Journal of Systems Science*, Vol. 25, 2235–2244, 1994.
  73. N. Derbel and A. Kamoun, "Une nouvelle approche pour bloc-diagonaliser des systèmes faiblement couplés," *RAIRO APII*, Vol. 29, 143–159, 1995.
  74. X. Shen, Q. Xia, and M. Rao, "Recursive reduced-order open-loop optimal control of discrete weakly coupled linear systems," *Optimal Control Applications & Methods*, Vol. 16, 299–304, 1995.
  75. O. Geray and D. Looze, "Linear quadratic regulator loop shaping for high frequency compensation," *International Journal of Control*, Vol. 63, 1055–1068, 1996.
  76. H. Mukaidani and K. Mizukami, "The recursive algorithm for optimal regulator of nonstandard singularly perturbed systems," *Transactions of the Society of Instrument and Control Engineers*, Vol. 32, no. 5, 672–678, 1996.
  77. H. Mukaidani and K. Mizukami, "The recursive algorithm of linear quadratic Gaussian (LQG) problems for nonstandard singularly perturbed systems," *Transactions of Electrical Engineers of Japan*, Vol. 116–C, no. 12, 1382–1389, 1996.
  78. N. Derbel and M. Kamoun, "A third order approach for block-diagonalization of singularly perturbed systems," *RAIRO APII-JESA*, Vol. 30, 9–22, 1996.
  79. M. Bonilla, M. Malabre and M. Fonseca, "On the approximation of non-proper control laws," *International Journal of Control*, Vol. 68, 775–796, 1997.
  80. F. Hoppendsteadt and E. Izhikevich, *Weakly Connected Neural Networks*, Springer Verlag, New York, pp. 385, 1997.

81. H. Mukaidani and K. Mizukami, "The recursive algorithm for  $H_\infty$  type Riccati equation with small parameter," *Transactions of Electrical Engineers of Japan*, Vol. 117-C, no. 10, 1464-1471, 1997.
82. A. Toumi, "A well adapted approach to block-diagonalization of large scale systems," *Mathematics and Computers in Simulation*, Vol. 47, 553-570, 1998.
83. H. Mukaidani and H. Xu, "The recursive algorithm of  $H_\infty$  control problems for standard and nonstandard singularly perturbed systems," *Transactions of the Society of Instrument and Control Engineers*, Vol. 34, no. 6, 555-562, 1998.
84. H. Mukaidani, Y. Kobayashi, and T. Okita, "Recursive algorithm for linear quadratic Nash games for singularly perturbed systems," *Transactions of the Society of Instrument and Control Engineers*, Vol. 35, no. 5, 630-637, 1999.
85. T. Basar and G. Olsder, *Dynamic Noncooperative Game Theory*, SIAM, Philadelphia, pp. 494, 1999.
86. H. Mukaidani, H. Xu, and K. Mizukami, "Recursive approach to  $H_\infty$  control problems for singularly perturbed systems under perfect- and imperfect-state measurements," *International Journal of Systems Science*, Vol. 30, 467-477, 1999.
87. H. Mukaidani and K. Mizukami, "Robust stabilization of singularly perturbed systems with uncertainties," *Transactions of Electrical Engineers of Japan*, Vol. 119-D, no. 2, 159-167, 1999.
88. N. Derbel, "A new decoupling algorithm of weakly coupled systems," *System Analysis, Modeling and Simulation*, Vol. 35, 359-374, 1999.
89. H. Mukaidani, H. Xu, and K. Mizukami, "Recursive algorithm for mixed  $H_2/H_\infty$  control problem of singularly perturbed systems," *International Journal of Systems Science*, Vol. 31, 1299-1312, 2000.
90. H. Mukaidani and K. Mizukami, "The guaranteed cost control problem of uncertain singularly perturbed systems," *Journal of Mathematical Analysis and Applications*, Vol. 251: 716-735, 2000.
91. H. Mukaidani, N. Tomoaki, Y. Kobayashi, and T. Okita, "Quadratic stabilization of nonstandard singularly perturbed systems via Riccati equation approach," *Transactions of the Institute of Electrical Engineers of Japan*, Vol 120-C, no. 7, 967-976, 2000.
92. H. Singh, R. Brown, and D. Naidu, "Unified approach to linear quadratic regulator with time-scale property," *Optimal Control Applications and Methods*, Vol. 22, 1-16, 2001.
93. H. Mukaidani, T. Nitta, and Y. Dobashi, "Suboptimal guaranteed cost control of singularly perturbed uncertain systems," *Transactions of the Society of Instrument and Control Engineers*, Vol. 37, no. 4, 316-324, 2001.
94. H. Mukaidani, "Near-optimal control for multimodeling systems," *Transactions of the Society of Instrument and Control Engineers*, Vol. 37, no. 10, 960-969, 2001.
95. H. Mukaidani, H. Xu, and K. Mizukami, "New iterative algorithm for algebraic Riccati equation related to  $H_\infty$  control problem of singularly perturbed systems," *IEEE Transactions on Automatic Control*, Vol. 46, 1659-1666, 2001.
96. D. Naidu and A. Calise, "Singular Perturbations and Time Scales in Guidance and Control of Aerospace Systems: A Survey," *Journal of Guidance, Control and Dynamics*, Vol. 24, 1057-1078, 2001.
97. H. Mukaidani and H. Xu, "H-2 guaranteed cost control problem of singularly perturbed systems with uncertainties," *International Journal of Systems Science*, Vol. 32, 1333-1343, 2001.
98. H. Singh, R. Brown, D. Naidu, and J. Heinan, "Robust stability of singularly perturbed state feedback systems using unified approach," *IEE Proceedings-Control Theory and Applications*, Vol. 148, 391-396, 2001.
99. H. Mukaidani, H. Xu, and K. Mizukami, "A revised Kleinman algorithm to solve algebraic Riccati equation of singularly perturbed systems," *Automatica*, Vol. 38, 553-558, 2002.
100. H. Mukaidani, T. Shimomura, and K. Mizukami, "Algebraic expansions and a new numerical algorithm of the algebraic Riccati equation for multiparameter singularly perturbed systems," *Journal of Mathematical Analysis and Its Applications*, Vol. 267, 209-234, 2002.
101. G. Freiling, "A survey of nonsymmetric Riccati equations," *Linear Algebra and its Applications*, Vol. 351-352, 243-270, 2002.
102. B. Kim and M. Lim, "Near-optimal control of the singularly perturbed bilinear systems using successive approximation method," *Dynamics of Continuous, Discrete, and Impulsive Systems*, Vol. 9, 153-162, 2002.
103. H. Mukaidani, H. Xu, and K. Mizukami, "Recursive computation of Pareto optimal strategies for multiparameter singularly perturbed systems," *Dynamics of Continuous, Discrete, and Impulsive Systems*, Vol. 9, 175-200, 2002.
104. M. Djemel and N. Derbel, "Parametric sensitivity of a reduced order model based optimal control of an electric machine," *Dynamics of Continuous, Discrete, and Impulsive Systems*, Vol. 9, 279-292, 2002.
105. S. Koskie, D. Skataric, and B. Petrovic, "Convergence proof for recursive solution of linear-quadratic Nash games for quasi-singularly perturbed systems," *Dynamics of Continuous, Discrete, and Impulsive Systems*, Vol. 9, 317-335, 2002.
106. D. Naidu, "Singular perturbations and time scales in control theory and applications: An overview," *Dynamics of Continuous, Discrete, and Impulsive Systems*, Vol. 9, 233-278, 2002.
107. H. Mukaidani, Y. Tanaka, and K. Mizukami, "Newton's method for solving Riccati equation related to singularly perturbed systems," *Transactions of Electrical Engineers of Japan*, Vol. 123, no. 5, 970-977, 2003.
108. H. Mukaidani, Y. Tanaka, and K. Mizukami, "Design for robust filtering of singularly perturbed uncertain systems," *Transactions of the Japan Society of Mechanical Engineers*, vol. 69, 1571-1578, 2003.
109. L. Petrosyan and D. Yeung, *ICM Milenium Lectures on Games*, p. 370, Springer, 2003.

110. H. Abou-Kandil, G. Freiling, V. Jonescu, and G. Jank, *Matrix Riccati Equations in Control and Systems Theory*, Birkhouser Verlag, Basel, p. 548, 2003.
111. H. Mukaidani, T. Shimomura, and H. Xu, "Numerical computation of cross-coupled algebraic Riccati equations related to  $H_2/H_\infty$  control problem for singularly perturbed systems," *International Journal of Robust and Nonlinear Control*, Vol. 14, 697–717, 2004.
112. H. Mukaidani and H. Xu, "Recursive computation of Nash strategy for multiparameter singularly perturbed systems," *Dynamics of Continuous Discrete and Impulsive Systems B: Algorithms and Applications*, Vol. 11, 673–700, 2004.
113. D. Skataric, *Optimal Control of Quasi Singularly Perturbed and Weakly Coupled Systems*, Planeta Press, Belgrade, 2005.
114. H. Mukaidani, "Recursive approach of optimal Kalman filtering problem for multiparameter singularly perturbed systems," *International Journal of Systems Science*, Vol. 36, 1–11, 2005.
115. H. Mukaidani, H. Xu, and K. Mizukami, "Numerical Algorithm for Solving Cross-Coupled Algebraic Riccati equations of Singularly Perturbed Systems," *Annals of Dynamic Games*, Vol. 7, 545–570, 2005.
116. H. Mukaidani, "Numerical computation for  $H_2$  state feedback control of large scale systems," *Dynamics of Continuous Discrete and Impulsive Systems*, Vol. 12, 281–297, 2005.
117. H. Mukaidani, "A new design approach for solving linear quadratic Nash games of multiparameter singularly perturbed systems," *IEEE Transactions on Circuits and Systems: I Fundamental Theory and Applications*, Vol. 52, 960–974, 2005.
118. W-C. Jung, Y-J. Kim, and M-T. Lim, "Design of an Optimal Controller for Congestion in ATM Networks," *Transactions KIEE*, Vol. 54D, 359–365, 2005.
119. H. Mukaidani, "Optimal numerical strategy for Nash games of weakly coupled large-scale systems," *Dynamics of Continuous, Discrete, and Impulsive Systems*, vol. 13, 249–268, 2006.
120. M. Dimitriev and G. Kurina, "Singular perturbations in control systems," *Automation and Remote Control*, vol. 67, 1–43, 2006.
121. H. Mukaidani, "A numerical analysis of the Nash strategy for weakly coupled large-scale systems," *IEEE Transaction sof Automatic Control*, Vol. 51, 1371–1377, 2006.
122. H. Mukaidani, "Efficient numerical procedures for solving closed-loop Stackelberg strategies with small singular perturbation parameter," *Applied Mathematics and Computation*, Vol. 188, 1173–1183, 2007.
123. H. Mukaidani, "Numerical computation of sign-indefinite linear quadratic differential games for weakly coupled linear large-scale systems," *International Journal of Control*, Vol. 80, 75–86, 2007.
124. H. Mukaidani, "Newton's method for solving cross-coupled sign-ndefinite algebraic Riccati equations for weakly coupled large scale systems," *Applied Mathematics and Computation*, Vol. 188, 103–115, 2007.
125. H. Mukaidani, H. Xu, and Y. Monden, "Numerical computation for solving algebraic Riccati equations of weakly coupled systems," *Electrical Engineering of Japan*, Vol. 160, 39–48, 2007.
126. JSH. Tsai, Z-Y. Yang, S-M, Guo, L-S. Shieh, and C-W. Chen, "Linear-Quadratic Nash game-based tracker for multiparameter singularly perturbed sampled-data systems: digital redesign approach," *International Journal of General Systems*, Vol. 36, 643–672, 2007.
127. M. Sagara, H. Mukaidani, and T. Yamamoto, "Stochastic  $H_\infty$  control problem with state-dependent noise for weakly coupled large-scale systems," *Transactions of the Institute of Electrical Engineers of Japan*, Vol. 127, 571–578, 2007.
128. H. Mukaidani, "Numerical computation for  $H_\infty$  output feedback control for strongly coupled large-scale systems," *Applied Mathematics and Computation*, Vol. 197, 212–227, 2008.
129. H. Mukaidani, S. Yamamoto, and T. Yamamoto, "A numerical algorithm for finding solution of cross-coupled algebraic Riccati equations," *IEICE Transactions on Fundamentals of Electronics Communications and Computer Sciences*, vol. E91A, 682–685, 2008.
130. M. Sagara, H. Mukaidani, and T. Yamamoto, "Efficient numerical computations of soft constrained Nash strategy for weakly coupled large-scale systems," *Journal of Computers*, Vol. 3, 2–10, 2008.
131. H. Mukaidani, "Soft-constrained stochastic Nash games for weakly coupled large scale systems," *Automatica*, Vol. 45, 1272–1279, 2009.
132. H. Mukaidani, "Pareto optimal strategy for stochastic weakly coupled large scale systems with state dependent system noise," *IEEE Transactions on Automatic Control*, Vol. 54, 2244–2250, 2009.
133. H. Mukaidani and V. Dragan, "Control of deterministic and stochastic systems with several small parameters — A survey," *Annals of the Academy of Romanian Scientists: Series on Mathematics and Its Applications*, Vol. 1, 112–140, 2009.
134. H. Mukaidani, "Local feedback Pareto strategy for weakly coupled large-scale discrete-time stochastic systems," *IET Control Theory and Applications*, Vol. 5, 2005–2014, 2011.
- Z. Gajic and D. Petkovski, *Optimal Parallel Control of Large Scale Linear Systems with Small Parameters*, Naucna Knjiga, 1991.**
135. D. Skataric and N. Ratkovic-Kovacevic, "The system order reduction via balancing in view of the method of singular perturbations," Vol. 38, 181–187, 2010.

- Z. Gajic and X. Shen**, “Decoupling transformation for weakly coupled linear systems,” *International Journal of Control*, Vol. 50, 1517–1523, **1989**.
136. N. Derbel and M. Kamoun, “Sur les méthodes de réduction de modèles linéaires singulièrement perturbés,” *RAIRO APII*, Vol. 28, 53–66, 1994.
  137. X. Shen, Q. Xia, and M. Rao, “Recursive reduced-order open-loop optimal control of discrete weakly coupled linear systems,” *Optimal Control Applications & Methods*, Vol. 16, 299–304, 1995.
  138. N. Derbel and A. Kamoun, “Une nouvelle approche pour bloc-diagonaliser des systèmes faiblement couplés,” *RAIRO APII*, Vol. 29, 143–159, 1995.
  139. N. Derbel, “A new decoupling algorithm of weakly coupled systems,” *System Analysis, Modeling and Simulation*, Vol. 35, 359–374, 1999.
  140. N. Derbel, “How to solve Lyapunov iterative equations,” *Computers and Electrical Engineering*, Vol. 27, 459–474, 2001.
  141. J. Chang, Y. Kim, and M. Lim, “Design of a controller using successive approximation for weakly coupled bilinear systems,” *KIEE International Transactions on System and Control*, Vol. 12D-1, 33–38, 2002.
  142. V. Kecman, “Eigenvector approach for reduced-order optimal control problems of weakly coupled systems,” *Dynamics of Continuous Discrete and Impulsive Systems*, Vol. 13, 569–588, 2006.
  143. H. Mukaidani, “A numerical analysis of the Nash strategy for weakly coupled large-scale systems,” *IEEE Transaction of Automatic Control*, Vol. 51, 1371–1377, 2006.
  144. Y.-J. Kim and M.-T. Lim, “Parallel robust  $H_\infty$  control for weakly coupled bilinear systems with parameter uncertainties using successive Galerkin approximation,” *International Journal of Control, Automation, and Systems*, Vol. 4, 689–696, 2006.
  145. Y.-J. Kim and M.-T. Lim, “Parallel optimal control for weakly coupled bilinear systems using successive Galerkin approximation,” *Proceedings of IET — Control Theory and Applications*, Vol. 1, 909–914, 2007.
  146. YH. Li, HJ. Gao, J. Lam, and CH. Wang, “Robust peak-to-peak model reduction for uncertain linear systems: Continuous- and discrete-time case,” *Dynamics of Continuous Discrete and Impulsive Systems: Series B - Applications & Algorithms*, Vol. 14, 291–304, 2007.
  147. Y.-J. Kim and M.-T. Lim, “Paarrallel optimal control for weakly coupled nonlinear systems using successive Galerkin approximation,” *IEE Transactions on Automatic Control*, Vol. 53, 1542–1547, 2008.
  148. D. Adhyaru, I. Kar, and M. Gopal, “Constrained control of weakly coupled nonlinear systems using neural network,” *Lecture Notes in Computer Science*, Vol. 5909, 567–572, 2009.

**Z. Gajic and X. Shen**, “Parallel reduced-order controllers for stochastic linear singularly perturbed discrete systems,” *IEEE Transactions on Automatic Control*, Vol. AC-36, 87–90, **1991**.

149. X. Shen, “Solution of the singularly perturbed matrix difference Riccati equation,” *International Journal of Systems Science*, Vol. 23, 403–410, 1992.
150. X. Shen, Q. Xia, M. Rao, and Y. Ying, “Near-optimum regulators for singularly perturbed jump systems,” *Control — Theory and Advanced Technology*, Vol. 9, 759–773, 1993.
151. Q. Xia, X. Shen, Y. Ying, and M. Rao, “Near-optimum steady state regulator for discrete singularly perturbed systems with a prescribed degree of stability,” *International Journal of Systems Science*, Vol. 24, 1145–1153, 1993.
152. X. Shen M. Rao, and Y. Ying, “Decomposition method for solving Kalman filter gains in singularly perturbed systems,” *Optimal Control Applications & Methods*, Vol. 14, 67–73, 1993.
153. J. Li and T. Li, “On the composite and reduced observer-based control of discrete two-time-scale systems” *Journal of the Franklin Institute*, Vol. 332B, 47–66, 1995.
154. H. Kando, “State estimation of stochastic singularly perturbed discrete-time systems,” *Optimal Control Applications & Methods*, Vol. 18, 15–28, 1997.
155. D. Naidu, “Singular perturbations and time scales in control theory and applications: An overview,” *Dynamics of Continuous, Discrete, and Impulsive Systems*, Vol. 9, 233–278, 2002.
156. Y. Kim, B. Kim, and M. Lim, “Composite controller for singularly perturbed nonlinear systems via Galerkin approximation,” *Dynamics of Continuous Discret and Impulsive Systems: Series B, Applications & Algorithms*, Vol. 10, 247–258, 2003.

**Z. Gajic and X. Shen**, “Study of the discrete singularly perturbed linear-quadratic control problem by a bilinear transformation,” *Automatica*, Vol. 27, 1025–1028, **1991**.

157. J. Li and T. Li, “On the composite and reduced observer-based control of discrete two-time-scale systems,” *Journal of the Franklin Institute*, Vol. 332B, 47–66, 1995.
158. M. Bidani, N. Radhy, B. Bensassi, “Optimal control of discrete-time singularly perturbed systems,” *International Journal of Control*, vol. 75, 955–966, 2002.
159. H. Liu, F. Sun, C. Li, and Z. Sun, “Stability analysis of robust controller design for uncertain discrete-time singularly perturbed systems,” *Dynamic of Continuous Discrete and Impulsive Systems*, Vol. 12, 849–865, 2005.

**Z. Gajic and X. Shen**, *Parallel Algorithms for Optimal Control of Large Scale Linear Systems*, Springer Verlag, London, **1993**.

160. I. Borno, "Boundary value problem of linear discrete-time singularly perturbed systems," *Control—Theory and Advanced Technology*, Vol. 10, 923–928, 1994.
161. J. Li and T. Li, "On the composite and reduced observer-based control of discrete two-time-scale systems" *Journal of the Franklin Institute*, Vol. 332B, 47–66, 1995.
162. N. Kheir, K. Astrom, D. Auslander, K. Cheok, G. Franklin, M. Masten, and M. Rabins, "Control Systems Engineering Education," *Automatica*, Vol. 32, 147–166, 1996.
163. G. Freiling, G. Jank, and H. Abou-Kandil, "On the global existence of solutions to coupled algebraic Riccati equations in closed-loop Nash games," *IEEE Transactions on Automatic Control*, Vol. AC-41, 264–269, 1996.
164. X. Shen and L. Deng, "Decomposition solution of  $H_\infty$  filter gain in singularly perturbed systems," *Signal Processing*, Vol. 55, 313–320, 1996.
165. D. Siljak, "Decentralized control and computations: status and prospects," *Annual Reviews in Control*, Vol. 20, 131–141, 1996.
166. M. Sezer and D. Siljak, "Decentralized Control," p. 779–794, in *The Control Handbook* W. R. Rugh (ed.), CRC Press, p. 792, 1996.
167. H. Kando, "State estimation of stochastic singularly perturbed discrete-time systems," *Optimal Control Applications & Methods*, Vol. 18, 15–28, 1997.
168. H. Xu, H. Mukaidani, and K. Mizukami, "New method for composite optimal control of singularly perturbed systems," *International Journal of Systems Science*, Vol. 28, 161–172, 1997.
169. M. Lim, "A study on the solution of equations for decomposition of singularly perturbed systems," *Journal of Engineering Science & Technology*, Vol. 34, 37–41, 1997.
170. P. Benner, A. Laub, and V. Mehrmann, "Benchmarks for the numerical solution of algebraic Riccati equations," *IEE Control Systems*, Vol. 17, 18–28, 1997.
171. M. Abdelrahman, D. Naidu, and C. Moore, "Finite-time disturbance attenuation control problem for singularly perturbed discrete-time systems," *Optimal Control Applications & Methods*, Vol. 19, 137–145, 1998.
172. H. Mukaidani, Y. Kobayashi, and T. Okita, "Recursive algorithm for linear quadratic Nash games for singularly perturbed systems," *Transactions of the Society of Instrument and Control Engineers*, Vol. 35, no. 5, 630–637, 1999.
173. M. Lim, "A novel approach for LQG Control of singularly perturbed continuous stochastic systems," *Journal of Electrical Engineering and Information Science*, Vol. 4, 159–164, 1999.
174. H. Mukaidani, H. Xu, and K. Mizukami, "Recursive algorithm for mixed  $H_2/H_\infty$  control problem of singularly perturbed systems," *International Journal of Systems Science*, Vol. 31, 1299–1312, 2000.
175. H. Mukaidani, Y. Kobayashi, and T. Okita, "Numerical algorithm for solving coupled algebraic equations with  $\gamma$ ," *Transactions of Electrical Engineers of Japan*, Vol. 120–C, no. 5, 699–708, 2000.
176. H. Singh, R. Brown, and D. Naidu, "Unified approach to linear quadratic regulator with time-scale property," *Optimal Control Applications and Methods*, Vol. 22, 1–16, 2001.
177. T. Pohl, W. Grecksch, and H. Blair, "A parallel version of a quasigradient method in stochastic control theory," *Optimization*, Vol. 49, 95–114, 2001.
178. D. Naidu and A. Calise, "Singular Perturbations and Time Scales in Guidance and Control of Aerospace Systems: A Survey," *Journal of Guidance, Control and Dynamics*, Vol. 24, 1057–1078, 2001.
179. M. Lim, C. Kang, and B. Kim, "Optimal control of linear nonstandard singularly perturbed discrete systems," *Dynamics of Continuous, Discrete, and Impulsive Systems*, Vol. 9, 163–174, 2002.
180. S. Koskie, D. Skataric, and B. Petrovic, "Convergence proof for recursive solution of linear-quadratic Nash games for quasi-singularly perturbed systems," *Dynamics of Continuous, Discrete, and Impulsive Systems*, Vol. 9, 317–335, 2002.
181. M. Lelic, "An overview of balancing order reduction techniques using the method of singular perturbations and new alternative techniques," *Dynamics of Continuous, Discrete, and Impulsive Systems*, Vol. 9, 293–316, 2002.
182. D. Naidu, "Singular perturbations and time scales in control theory and applications: An overview," *Dynamics of Continuous, Discrete, and Impulsive Systems*, Vol. 9, 233–278, 2002.
183. Y-J. Kim, B-S Kim, and M-T Lim, "Composite control for singularly perturbed bilinear systems via successive Galerkin approximation," *IEE Proceedings—Control Theory and Applications*, Vol. 150, 483–488, 2003.
184. H. Abou-Kandil, G. Freiling, V. Jonescu, and G. Jank, *Matrix Riccati Equations in Control and Systems Theory*, Birkhouser, Verlag, Basel, p. 547, 2003.
185. H. Mukaidani, T. Shimomura, and H. Xu, "Numerical computation of cross-coupled algebraic Riccati equations related to  $H_2/H_\infty$  control problem for singularly perturbed systems," *International Journal of Robust and Nonlinear Control*, Vol. 14, 697–717, 2004.
186. H. Mukaidani, H. Xu, and K. Mizukami, "Numerical algorithm for solving cross-coupled algebraic Riccati equations of singularly perturbed systems," *Annals of Dynamic Games*, Vol. 7, 545–570, 2005.
187. B. Kim, Y. Kim, and M. Lim, "LQG control for nonstandard singularly perturbed discrete-time systems," *Journal of Dynamic Systems Measurement and Control — Transactions of the ASME*, vol. 126, 860–864, 2004.
188. V. Kecman, "Eigenvector approach for reduced-order optimal control problems of weakly coupled systems," *Dynamics of Continuous Discrete and Impulsive Systems*, Vol. 13, 569–588, 2006.

189. Y-J. Kim, B-S. Kim, and M-T. Lim, "Finite-time composite control for a class of singularly perturbed nonlinear systems via successive Galerkin approximation," *IEE Proceedings — Control Theory and Applications*, Vol. 152, 507–512, 2005.
190. Y-J. Kim and M-T. Lim, "Parallel robust  $H_\infty$  control for weakly coupled bilinear systems with parameter uncertainties using successive Galerkin approximation," *International Journal of Control, Automation, and Systems.*, Vol. 4, 689–696, 2006.
191. Y-J. Kim and M-T. Lim, "Parallel optimal control for weakly coupled bilinear systems using successive Galerkin approximation," *Proceedings of IET — Control Theory and Applications*, Vol. 1, 909–914, 2007.
192. YH. Li, HJ. Gao, J. Lam, and CH. Wang, "Robust peak-to-peak model reduction for uncertain linear systems: Continuous- and discrete-time case," *Dynamics of Continuous Discrete and Impulsive Systems: Series B - Applications & Algorithms*, Vol. 14, 291–304, 2007.
193. P. Mei, CX. Cai, and Y. Zou, "Robust fuzzy control of nonlinear singularly perturbed systems with parametric uncertainties," *International Journal of Innovative Computing Information and Control*, Vol. 4, 2079–2086, 2008.
194. Y-J. Kim and M-T. Lim, "Paarrallel optimal control for weakly coupled nonlinear systems using successive Galerkin approximation," *IEE Transactions on Automatic Control*, Vol. 53, 1542–1547, 2008.
195. C. Lupu, D. Popescu, A. Undea, and C. Dimon, "Solutions for nonlinear process control," *WSEAS Transactions on Systems and Control*, 597–606, 2008.
196. L. Bakule, "Decentralized control: An overview," *Annala Reviews in Control*, Vol. 32, 87–98, 2008.
197. D. Adhyaru, I. Kar, and M. Gopal, "Constrained control of weakly coupled nonlinear systems using neural network," *Lecture Notes in Computer Science*, Vol. 5909, 567–572, 2009.
198. T. Olwal, B. van Wyk, K. Djouani, Y. Hamam, P. Siarry, and N. Ntlatlapa, "Autonomous transmission power adaptation for multi-radio multi-channel wireless mesh networks," *Lecture Notes in Computer Science*, Vol. 5793, 284–297, 2009.
199. T. Olwal, K. Djouani, B. van Wyk, Y. Hamam, P. Siarry, and N. Tlatlapa, "A multiple-state based power control for multi-radio multi-channel wireless mesh networks," *International Journal of Computer Science*, Vol. 4, 53–61, 2009.
200. T. Olwal, K. Djouani, B. van Wyk, Y. Hamam, and P. Siarry, "A multi-radio multi-channel unification power control for wireless mesh networks," *International Journal of Computer Science*, Vol. 5, 38–50, 2010.
201. N. Kovacevic and D. Skataric, "Multimodel Control via System Balancing," *Mathematical Problems in Engineering*, Article ID 841830, 2010.
202. A. Zecevic and D. Siljak, *Control of Complex Systems: Structural Constraints and Uncertainty*, pp. 25, 2010.
203. H. Mukaidani, "Local feedback Pareto strategy for weakly coupled large-scale discrete-time stochastic systems," *IET Control Theory and Applications*, Vol. 5, 2005–2014, 2011.
- Z. Gajic and J. Boka**, "Kalman filter error due to inaccuracy in filter's initial conditions," *Journal of Dynamic Systems, Measurement, and Control*, Vol. 119, 119–122, **1997**.
204. Y. Wang and M. Xiao, "A location algorithm of target based on improved Kalman filtering" *Journal of Air Force Engineering University*, vol. 3, 17–20, 2002.
205. "A new algorithm of target tracking with two-coordinate measurement in ballistic radar as T/B base," *Electronics Optics & Control*, vol.9, 57–60, 2002.
206. Chen Du and Xuafang Liu, "Infrared spectral measurements of radiation in space technology reasearch," *Infrared*, vol. 7, 8–12, 2005.
- Z. Gajic and I. Borno**, "Lyapunov iterations for optimal control of jump linear systems at steady state," *IEEE Transactions on Automatic Control*, Vol. AC-40, 1971–1975, **1995**.
207. C. Tsai and A. Haddad, "Averaging, aggregation and optimal control of singularly perturbed stochastic hybrid systems," *International Journal of Control*, Vol. 68, 31–50, 1997.
208. J. do Val, J. Geromel, and O. Costa, "Uncoupled Riccati iterations for the linear quadratic control problem of discrete-time Markov jump linear systems," *IEEE Transactions on Automatic Control*, Vol. 43, 1727–1733, 1998.
209. O. Costa, J. do Val, and J. Geromel, "Continuous-time state-feedback  $H_2$ —control of Markovian jump linear systems via convex analysis," *Automatica*, Vol. 35, 269–278, 1999.
210. J. do Val, J. Geromel, and O. Costa, "Solutions for the linear-quadratic control problem of Markov jump linear systems," *Journal of Optimization Theory and Applications*, Vol. 103, 283–311, 1999.
211. D. de Farias, J. Geromel, J. do Val, and O. Costa, "Output feedback control of Markov jump linear systems in continuous-time," *IEEE Transactions on Automatic Control*, Vol. 45, 944–949, 2000.
212. O. Costa and J. Aya, "Temporal difference methods for the maximal solution of discrete-time coupled algebraic Riccati equations," *Journal Optimization Theory and Applications*, Vol. 109, 289–309, 2001.
213. X. Liu, X. Shen, and Y. Zhang, "Stability analysis of a class of hybrid dynamics systems," *Dynamics of Continuous Discrete and Impulsive System—Series B—Applications & Algorithms*, Vol. 8, 359–373, 2001.
214. O. Costa and J. Aya, "Monte Carlo  $TD(\lambda)$ -methods for the optimal control of discrete-time Markovian jump linear systems," *Automatica*, Vol. 38, 217–226, 2002.
215. J. do Val and O. Costa, "Numerical solution for linear-quadratic control problems of Markov jump linear systems and weak detectability concept," *Journal of Optimization Theory and Applications*, Vol. 114, 69–96, 2002.

216. E-K. Boukas and Z-K. Liu, *Deterministic and Stochastic Time Delay Systems*, p. 408, Birkhauser, Boston, 2002.
217. O. Costa and J. Aya, "Metoddo de diferencas temporais aplicato as equacoes de Riccati acoplades entre si," *Revista Control & Automation*, Vol. 14, 223–234, 2003.
218. H. Abou-Kandil, G. Freiling, V. Jonescu, and G. Jank, *Matrix Riccati Equations in Control and Systems Theory*, Birkhauser, Verlag, Basel, p. 547, 2003.
219. V. Dragan and T. Morozan, "The linear quadratic optimization problems for a class of linear stochastic systems with multiplicative white noise," *IEEE Transactions on Automatic Control*, Vol. 49, 665–675, 2004.
220. E. Costa and J. do Val, "An Algorithm for solving a perturbed algebraic Riccati equation," *European Journal of Control*, Vol. 10, 576–580, 2004.
221. H. Mukaidani, "Discussion on "An algorithm for solving a perturbed algebraic Riccati equation,"" *European Journal of Control*, Vol. 10, 583–585, 2004.
222. K. Hochberg and E. Shmerling, "Stability and optimal control of semi-Markov jump parametre linear systems," p. 205–211, in *Recent Advances in Applied Probability*, R. Baeza-Yates, J. Glaz, H. Glyz, J. Husler, and J. Palacios (eds.), Springer-Verlag, New York, 2005.
223. V. Dragan, T. Morozan, and A-M. Stoica, *Mathematical Methods in Robust Control of Linear Stochastic Systems*, Springer, p. 307, 2006.
224. I. G. Ivanov, "Properties of Stein (Lyapunov) iterations for solving a general Riccati equation," *Nonlinear Analysis*, Vol. 67, 1155–1166, 2007.
225. I. Ivanov, "Propertires of Lyapunov iteration for coupled Riccati equations in jump linear systems," *Lecture Notes in Computer Science*, Vol. 4310, 599–606, 2007.
226. I. Ivanov, "On some iterations for optimal control of jump linear equations," *Nonlinear Analysis*, Vol. 69, 4012–4024, 2008.
227. I. Ivanov, "Numerical solution of discrete-time coupled algebraic Riccati equations," *Lecture Notes in Computer Science*, Vol. 5434, 314–321, 2009.
228. I. Ivanov, "A method to solve the discrete-time coupled algebraic Riccati equations," *Applied Mathematics and Computation*, Vol. 206, 34–41, 2008.
229. I. Ivanov, "Stein iterations for the coupled discrete-time Riccati equations," *Nonlinear Analysis*, Vol. 71, 6244–6253, 2009.
230. L. Tong, A-G. Wu, and G-R. Duan, "Finite iterative algorithm for solving coupled Lyapunov equations appearing in discrete-time Markov jump linear systems," *IET Control theory and Applications*, Vol. 4, 223–2231, 2010.
231. V. Dragan and I. Ivanov, "Computation of the stabilizing solution of game theoretic Riccati equation arising in stochastic  $H_\infty$  control problems," *Numerical Algorithms*, Vol. 57, 357–375, 2011.
232. V. Dragan and I. Ivanov, "A numerical procedure to compute the stabilizing solution of game theoretic Riccati equations of stochastic control," *International Journal of Control*, Vol. 84, 783–800, 2011.
- Z. Gajic and I. Borno**, "General transformation for block diagonalization of weakly coupled linear systems composed of N-subsystems," *IEEE Transactions on Circuits and Systems I*, Vol. AC-47, 909–912, **2000**.
233. H. Mukaidani, "Optimal numerical strategy for Nash games of weakly coupled large-scale systems," *Dynamics of Continuous, Discrete, and Impulsive Systems*, vol. 13, 249–268, 2006.
234. H. Mukaidani, "Numerical computation of sign-indefinite linear quadratic differential games for weakly coupled linear large-scale systems," *International Journal of Control*, Vol. 80, 75–86, 2007..
235. H. Mukaidani, "Newton's method for solving cross-coupled sign-ndefinite algebraic Riccati equations for weakly coupled large scale systems," *Applied Mathematics and Computation*, Vol. 188, 103–115, 2007.
- Z. Gajic, M-T. Lim, D. Skataric, W-C. Su and V. Kecman**, *Optimal Control: Weakly Coupled Systems*, CRC Press (Francis & Taylor), Boca Raton, FL, **2009**.
236. N. Kovacevic and D. Skataric, "Multimodel Control via System Balancing," *Mathematical Problems in Engineering*, Article ID 841830, 2010.
237. H. Mukaidani, H. Xu, and V. Dragan, "Stochastic optimal control for weakly coupled large-scale systems via state and static output feedback," *IET Control Theory and Applications*, Vol. 4, 1849–1858, 2010.
238. D. Skataric and N. Ratkovic-Kovacevic, "The system order reduction via balancing in view of the method of singular perturbations," Vol. 38, 181–187, 2010.
239. H. Mukaidani, "Local feedback Pareto strategy for weakly coupled large-scale discrete-time stochastic systems," *IET Control Theory and Applications*, Vol. 5, 2005–2014, 2011.
- C. COUMARBATCH and Z. Gajic**, "Exact decomposition of the algebraic Riccati equation of deterministic multimodeling optimal control problems," *IEEE Transactions on Automatic Control*, Vol. 45, 790–794, **2000**.
240. D. Naidu and A. Calise, "Singular Perturbations and Time Scales in Guidance and Control of Aerospace Systems: A Survey," *Journal of Guidance, Control and Dynamics*, Vol. 24, 1057–1078, 2001.
241. H. Mukaidani, T. Nitta, and Y. Dobashi, "Suboptimal guaranteed cost control of singularly perturbed uncertain systems," *Transactions of the Society of Instrument and Control Engineers*, Vol. 37, no. 4, 316–324, 2001.

242. H. Mukaidani, "Near-optimal control for multimodeling systems," *Transactions of the Society of Instrument and Control Engineers*, Vol. 37, no. 10, 960–969, 2001.
243. H. Mukaidani, T. Shimomura, and K. Mizukami, "Algebraic expansions and a new numerical algorithm of the algebraic Riccati equation for multiparameter singularly perturbed systems," *Journal of Mathematical Analysis and Its Applications*, Vol. 267, 209–234, 2002.
244. H. Mukaidani, H. Xu, and K. Mizukami, "Recursive computation of Pareto optimal strategies for multiparameter singularly perturbed systems," *Dynamics of Continuous, Discrete, and Impulsive Systems*, Vol. 9, 175–200, 2002.
245. H. Mukaidani, T. Shimomura, and H. Xu, "Near-optimal control of linear multiparameter singularly perturbed systems," *IEEE Transactions on Automatic Control*, Vol. 47, 2051–2057, 2002.
246. D. Naidu, "Singular perturbations and time scales in control theory and applications: An overview," *Dynamics of Continuous, Discrete, and Impulsive Systems*, Vol. 9, 233–278, 2002.
247. H. Mukaidani, "Nash strategy for multimodeling systems," *Transactions of the Society of Instrument and Control Engineers*, Vol. 39, no. 6, 559–568, 2003.
248. H. Mukaidani, H. Xua, and K. Mizukami, "New Results for Near-Optimal Control of Linear Multiparameter Singularly Perturbed Systems," *Automatica*, Vol. 39, 2157–2167, 2003.
249. H. Mukaidani, "A new approach to robust guaranteed cost controller for uncertain multimodeling systems," *Automatica*, Vol. 41, 1055–1062, 2005.
250. A. Tellili, M. Abdelkrim, and M. Benjereb, "Reliable  $H_\infty$  control of multiple time scales singularly perturbed systems with sensor failure," *International Journal of Control*, Vol. 80, 659–665, 2007.
251. I. Argyros, "A refined semilocal convergence analysis of an algorithm for solving the Riccati equation," *Journal of Applied Mathematics and Computing*, Vol. 27, 339–344, 2008.
252. H. Mukaidani and V. Dragan, "Control of deterministic and stochastic systems with several small parameters — A survey," *Annals of the Academy of Romanian Scientists: Series on Mathematics and Its Applications*, Vol. 1, 112–140, 2009.
253. N. Kovacevic and D. Skataric, "Multimodel Control via System Balancing," *Mathematical Problems in Engineering*, Article ID 841830, 2010.
254. D. S. Naidu, "Singular perturbation analysis of a flexible beam used in underwater exploration," *International Journal of Systems Science*, Vol. 42, 183–194, 2011.

**C. COUMARBATCH and Z. Gajic**, "Parallel optimal Kalman filtering for stochastic systems in multimodeling form," *Transactions of ASME, Journal of Dynamic Systems Measurement and Control*, Vol. 122, 542–550, **2000**.

255. H. Mukaidani, "Near-optimal control for multimodeling systems," *Transactions of the Society of Instrument and Control Engineers*, Vol. 37, no. 10, 960–969, 2001.
256. H. Mukaidani, T. Shimomura, and K. Mizukami, "Algebraic expansions and a new numerical algorithm of the algebraic Riccati equation for multiparameter singularly perturbed systems," *Journal of Mathematical Analysis and Its Applications*, Vol. 267, 209–234, 2002.
257. H. Mukaidani, H. Xu, and K. Mizukami, "Recursive computation of Pareto optimal strategies for multiparameter singularly perturbed systems," *Dynamics of Continuous, Discrete, and Impulsive Systems*, Vol. 9, 175–200, 2002.
258. H. Mukaidani, T. Shimomura, and H. Xu, "Near-optimal control of linear multiparameter singularly perturbed systems," *IEEE Transactions on Automatic Control*, Vol. 47, 2051–2057, 2002.
259. H. Mukaidani, "Near-Optimal Kalman Filters for Multiparameter Singularly Perturbed Linear Systems," *IEEE Transactions on Circuits and Systems —I: Fundamental Theory and Applications*, Vol. 50, 717–721, 2003.
260. H. Mukaidani, H. Xua, and K. Mizukami, "New Results for Near-Optimal Control of Linear Multiparameter Singularly Perturbed Systems," *Automatica*, Vol. 39, 2157–2167, 2003.
261. H. Mukaidani, Y. Tanaka, and K. Mizukami, "Design for robust filtering of singularly perturbed undertain systems," *Transactions of the Japan Society of Mechanical Engineers*, vol. 69, 1571–1578, 2003.
262. H. Mukaidani, "Recursive approach of optimal Kalman filtering problem for multiparameter singularly perturbed systems," *International Journal of Systems Science*, Vol. 36, 1–11, 2005.
263. H. Mukaidani, "A new design approach for solving linear quadratic Nash games of multiparameter singularly perturbed systems," *IEEE Transactions on Circuits and Systems: I Fundamental Theory and Applications*, Vol. 52, 960–974, 2005.
264. H. Mukaidani, "A numerical algorithm for finding solution of sign-indefinite algebraic Riccati equations for general multiparameter singularly perturbed systems," *Applied Mathematics and Computation*, Vol. 189, 255–270, 2007.
265. I. Argyros, "A refined semilocal convergence analysis of an algorithm for solving the Riccati equation," *Journal of Applied Mathematics and Computing*, Vol. 27, 339–344, 2008.
266. H. Mukaidani and V. Dragan, "Control of deterministic and stochastic systems with several small parameters — A survey," *Annals of the Academy of Romanian Scientists: Series on Mathematics and Its Applications*, Vol. 1, 112–140, 2009.
267. N. Kovacevic and D. Skataric, "Multimodel Control via System Balancing," *Mathematical Problems in Engineering*, Article ID 841830, 2010.

- Z. Gajic and M. Ikeda**, “An overview of the collected works of Professor Dragoslav Siljak,” *Dynamics of Continuous, Discrete and Impulsive Systems*, Vol. 11, 149–180, **2004**.
268. L. Bakule, “Decentralized control: An overview,” *Annual Reviews in Control*, Vol. 32, 87–98, 2008.
- Z. Gajic and M. Lelic**, *Modern Control System Engineering*, Prentice Hall International, London, **1996**.
269. S. Askarpour and T. Ovens, “On Identifying Characteristic Vectors,” *International Journal of Engineering Education*, Vol. 13, 204–209, 1997.
270. S. Askarpour and T. Ovens, “Integrated approach to eigenstructure assignment by output feedback: The case of multiple eigenvalues,” *IEE Proceedings-Control Theory Appl.*, Vol. 145, 265–268, 1998.
271. R. Dorf and R. Bishop, *Modern Control Systems*, Addison-Wesley, Reading, Massachusetts, pp. 844, 1998.
272. S. Shinnars, *Advanced Modern Control System Theory and Design*, 624 pages, Wiley Interscience, New York, p. 208, Sept. 1998.
273. S. Shinnars, *Modern Control System Theory and Design*, 744 pages, Wiley Interscience, New York, p. 682., April 1998.
274. B. Petrovic, *Teorija Sistema*, FON, Belgrade, pp. 413, 1998.
275. D. Popovic and L. Vlacic, *Mechatronics in Engineering Design and Product Development*, Marcel Dekker, New York, pp. 216, 1998.
276. S. Gomarez, D. Biel, J. Matas, and M. Reyes, *Teoria de Control Diseno Eelectronico*, p. 389, Edicons UPC, Barcelona, 1998.
277. S. Askarpour and T. Ovens, “On the non-uniqueness of characteristic vectors,” *International Journal of Engineering Education*, Vol. 15, 406–410, 1999.
278. Spartacus Gomariz Castro, *Teoria de Control: Diseno Electronico*, p. 14, 2000.
279. M. Chidambaram, *Computer Control of Processes*, CRC Press, p. 167, 2001.
280. M. Hitchings, L. Vlacic, and V. Kecman, “Fuzzy control,” in *Intelligent Vehicle Technologies*, L. Vlacic, M. Parent, and F. Harishima, (eds.), Butterworth-Heinemann, Oxford, England, pp. 330, 2001.
281. V. Kecman, *Learning and Soft Computing*, MIT Press, Cambridge, MA, pp. 445, 2001.
282. M. Lelic, “An overview of balancing order reduction techniques using the method of singular perturbations and new alternative techniques,” *Dynamics of Continuous, Discrete, and Impulsive Systems*, Vol. 9, 293–316, 2002.
283. M. Massink and G. Faconti, “A reference framework for continuous interaction,” *Universal Access in the Information Society — UIAS*, (Springer Verlag), Vol. 1, 237–251, 2002.
284. R. Vera, “On the stability analysis of systems with internal resonance,” *Journal of Sound and Vibrations*, Vol. 253, 926–940, 2002.
285. D. Debeljkovic and V. Mulic, *Savremena Teorija Visestruko Prenosnih Kontinualnih Linearnih Sistema*, p. 460, Belgrade, Cigoja –Press, Belgrade, 2003.
286. A. Huzurbazar, “Modeling Survival data using Flowgraph Models,” p. 729–746, in *Handbook of Statistics*, Vol. 23, Elsevier, 2003.
287. H. D. Taghirad, *An Introduction to Modern Control*, K. N. Toosi University Press, Teheran, p. 38, 2003.
288. W. Ott, N. Klepeis, and P. Switzer, Analytical solutions to compartmental indoor air quality modles with application to enviromental tobacco smoke concentrations measured in a house,” *Journal of the Air&Waste Management Association*, Vol. 53, 918–936, 2003.
289. N. Balakrishnan, *Handbook of Statistics: Advances in Survival Analysis*, North Holland, pp. 746, 2004.
290. A. Xhafa and O. Tonguz, “Dynamic priority queueing handover calls in wireless networks: An analytical framework,” *IEEE Journal of Selected Areas in Communications*, Vol. 22, 904–916, 2004.
291. D. Debeljkovic, *Projectovanje Linearnih Sistema: Metode Podesavanja Polova*, Univerzitet u Beogradu, p. 484, 2005..
292. J. W. Goodwine, “Fundamentals of Control Theory,” in *MEMS: Introduction and Fundamentals*, (ed.) M. Gad-el-Hak, CRC Press, p. 14–21, 2005.
293. A. Huzurbazar, “Flowgraph models: a Bayesian case study in construction engineering,” *Journal of Statistical Planning and Inference*, Vol. 129, 181–193, 2005.
294. A. Huzurbazar, *Flowgraph Models for Multistate Time to Event Data*, Wiley-Interscience, 2005.
295. A. Huzurbazar and B. Williams, “Flowgraph models for complex multistate system reliability,” p. 247–262, in *Modern Statistical and Mathematical Models in Reliability*, S-K. McNutty, A. Wilson, and Y. Armijo (eds.), p. 261, 2005.
296. C. Ravichandran, S. Rani, and V. Sundarapandian, “Design of simplified reduced order model for balanced discrete time isolated power system,” *Academic Open Internet Journal*, Vol. 20, part 1, paper 1, 2007.
297. M. Rahmat and L. S. Khan, “Development of a modern control system analysis package using visual basic programming,” *Elektrika*, Vol. 9, 41–48, 2007.
298. J. Azorin, R. Aracil, N. garcia, and C. Perez, “Bilateral control of teleoperation systems through state convergence,” in *Advances in Telerobotics*, (eds.) M. Ferre, M. Buss, R. Aracil, and C. Melchiori, p. 284, Springer, 2007.
299. V. Exadaktylos and C. J. Taylor, “Multi-objective performance optimization for model predictive control by goal attainment,” *International Journal of Control*, Vol. 83, 1374–1386, 2010.

- Z. Gajic and M. Lelic**, "Improvement of system order reduction via balancing using the method of singular perturbations", *Automatica*, Vol. 37, 1859–1865, **2001** (also ACC 1999).
300. M. Lelic, "An overview of balancing order reduction techniques using the method of singular perturbations and new alternative techniques," *Dynamics of Continuous, Discrete, and Impulsive Systems*, Vol. 9, 293–316, 2002.
  301. H. Karimi and M. Yazdanpanah, "Robust stability analysis of singularly perturbed systems using structured singular value approach," *Scientia Iranica*, vol. 9, 425–432, 2002.
  302. H. Karimi, M. Yazdanpanah, R. Patel, and K. Khorasani, "Modelling and Control of linear two-time scale systems: Applied to single-link flexible manipulator," *Journal of Intelligent and Robotic Systems: Theory and Applications*, Vol. 45, 235–265, 2006.
  303. D. Skataric and N. Ratkovic, "Prikaz metode redukcije matematičkih modela složenih sistema," *Tehnika*, Vol. 55, no. 2, 1–9, 2006.
  304. L. Iorga, H. Baruh, and I. Ursu, "A review of  $H_\infty$  robust control of piezoelectric smart structures," *Applied Mechanics Reviews*, Vol. 61, Article 040802, July 2008.
  305. G. Herjolfsson, B. A. Evarsson, S. Hauksdottir, and SP. Sigurosson, "Closed L2/H2-optimising of zeros for model reduction of linear continuous time systems," *International Journal of Control*, Vol. 82, 555–570, 2009.
  306. L. Iorga, B. Shan, and A. Pelegri, "Finite element dynamic analysis of soft tissues using state-space model," *Computer Methods in Biomechanics and Biomedical Engineering*, Vol. 12, 197–209, 2009.
  307. A. Davoudi, P. Chapman, J. Jatskevich, and A. Khaligh, "Reduced-order modeling of high-fidelity magnetic equivalent circuits," *IEEE Transactions on Power Electronics*, Vol. 24, 2847–2855, 2009.
  308. H. R. Karimi, "Robust regulation with H-infinity control of linear two-time scale systems: a new modeling approach," *Proceedings of the Institution of the Mechanical Engineers Part I — Journal of Systems and Control Engineering*, Vol. 224, 235–246, 2010.
  309. N. Kovacevic and D. Skataric, "Multimodel Control via System Balancing," *Mathematical Problems in Engineering*, Article ID 841830, 2010.
  310. C. Hartmann, V-M. Vulcanov, and C. Schuttee, "Blanced truncation of second-order systems: A Hamiltonian approach," *SIAM Journal of Multitime Scale Modeling & Simulation*, Vol. 8, 1348–1367, 2010.
  311. D. Skataric and N. Ratkovic-Kovacevic, "The system order reduction via balancing in view of the method of singular perturbations," Vol. 38, 181–187, 2010.
  312. A. Chowdhury, A. Sarjas, P. Cafuta, and R. Svecko, "Robust controller synthesis with consideration of performance criteria," *Optimal Control Applications and Methods*, Vol. 32, 700–719, 2011.
- Z. Gajic and M. Lim**, "A new filtering method for linear singularly perturbed systems," *IEEE Transactions on Automatic Control*, Vol. AC-39, 1952–1955, **1994**.
313. S. Pan, P. Hsiao, and C. Teng, "Dynamic output feedback control of nonlinear singularly perturbed systems," *Journal of the Franklin Institute*, vol. 333B, 947–973, 1996.
  314. H. Kando, "State estimation of stochastic singularly perturbed discrete-time systems," *Optimal Control Applications & Methods*, Vol. 18, 15–28, 1997.
  315. M. Lim, "A novel approach for LQG Control of singularly perturbed continuous stochastic systems," *Journal of Electrical Engineering and Information Science*, Vol. 4, 159–164, 1999.
  316. H. Mukaidani, Y. Tanaka, and K. Mizukami, "Design for robust filtering of singularly perturbed uncertain systems," *Transactions of the Japan Society of Mechanical Engineers*, vol. 69, 1571–1578, 2003.
  317. W. Assawinchaichote and S. K. Nguang, " $H_\infty$  filtering for fuzzy singularly perturbed systems with pole placement constraints: An LMI approach," *IEEE Transactions on Signal Processing*, Vol. 52, 1659–1667, 2004.
  318. S. Nguang and P. Shi, " $H_\infty$  output feedback control design for uncertain fuzzy systems with multiple time scales: An LMI approach," *European Journal of Control*, Vol. 11, 157–166, 2005.
  319. W. Assawinchaichote, S. Nguang, and P. Shi, "Fuzzy control and filter design for uncertain fuzzy systems," *Lecture Notes in Control and Information Sciences*, Vol. 347, p. 175., 2006.
  320. W. Assawinchaichote, S. Nguang, and P. Shi, "Robust  $H_\infty$  fuzzy filter design for uncertain nonlinear singularly perturbed systems with Markovian jumps: An LMI approach," *Information Sciences*, Vol. 177, 1699–1714, 2007.
  321. W. Assawinchaichote and S. Nguang, "Robust  $H_\infty$  filter design for uncertain fuzzy descriptor systems: LMI-based design," *International Journal of Intelligent Technology*, Vol. 2, 217–222, 2007.
  322. GH. Yang, and JX Dong, "H-infinity filtering for fuzzy singularly perturbed systems," *IEEE Transactions on Systems Man and Cybernetics*, Vol. 38, 1371–1389, 2008.
  323. M. D. S. Aliyu and E. K. Boukas, " $H_\infty$ -filtering for singularly perturbed nonlinear systems," *International Journal of Robust and Nonlinear Control*, Vol. 21, 218–236, 2011.
  324. M. D. S. Aliyu and E. K. boukas, "H2 filtering for non-linear singularly perturbed systems," *IET Control Theory and Applications* Vol. 5, 2023–2032, 2011.

- Z. Gajic, M. Lim, and X. Shen**, “The study of discrete singularly perturbed linear-quadratic control systems,” p. 199–241, in *Control and Dynamic Systems*, ed., C. Leondes, **1995**.
325. M. Lim, C. Kang, and B. Kim, “Optimal control of linear nonstandard singularly perturbed discrete systems,” *Dynamics of Continuous, Discrete, and Impulsive Systems*, Vol. 9, 163–174, 2002.
326. D. Naidu, “Singular perturbations and time scales in control theory and applications: An overview,” *Dynamics of Continuous, Discrete, and Impulsive Systems*, Vol. 9, 233–278, 2002.
327. M. Bidani, N. Radhy, B. Bensassi, “Optimal control of discrete-time singularly perturbed systems,” *International Journal of Control*, vol. 75, 955–966, 2002.
328. B. Kim, Y. Kim, and M. Lim, “LQG control for nonstandard singularly perturbed discrete-time systems,” *Journal of Dynamic Systems Measurement and Control — Transactions of the ASME*, vol. 126, 860–864, 2004.
329. H-G. Kang, B-S. Kim, and M-T. Lim, “Steady-state optimal control of singularly perturbed discrete bilinear systems.” *Dynamics of Continuous, Discrete and Impulsive Systems*, in press, 2011
- Z. Gajic and M. Lim**, *Optimal Control of Singularly Perturbed Linear Systems and Applications: High-Accuracy Techniques*, Marcel Dekker, New York, **2001**.
330. D. Naidu and A. Calise, “Singular Perturbations and Time Scales in Guidance and Control of Aerospace Systems: A Survey,” *Journal of Guidance, Control and Dynamics*, Vol. 24, 1057–1078, 2001.
331. H. Mukaidani, H. Xu, and K. Mizukami, “A revised Kleinman algorithm to solve algebraic Riccati equation of singularly perturbed systems,” *Automatica*, Vol. 38, 553–558, 2002.
332. M. Lim, C. Kang, and B. Kim, “Optimal control of linear nonstandard singularly perturbed discrete systems,” *Dynamics of Continuous, Discrete, and Impulsive Systems*, Vol. 9, 163–174, 2002.
333. D. Naidu, “Singular perturbations and time scales in control theory and applications: An overview,” *Dynamics of Continuous, Discrete, and Impulsive Systems*, Vol. 9, 233–278, 2002.
334. H. Mukaidani, Y. Tanaka, and K. Mizukami, “Newton’s method for solving Riccati equation related to singularly perturbed systems,” *Transactions of Electrical Engineers of Japan*, Vol. 123, no. 5, 970–977, 2003.
335. Y-J. Kim, B-S Kim, and M-T Lim, “Composite control for singularly perturbed bilinear systems via successive Galerkin approximation,” *IEE Proceedings—Control Theory and Applications*, Vol. 150, 483–488, 2003.
336. E. Boukas and Z. Liu, “Delay-dependent stabilization of singularly perturbed jump linear systems,” *International Journal of Control*, Vol. 77, 310–319, 2004.
337. B. Kim, Y. Kim, and M. Lim, “LQG control for nonstandard singularly perturbed discrete-time systems,” *Journal of Dynamic Systems Measurement and Control — Transactions of the ASME*, vol. 126, 860–864, 2004.
338. T. Sari and T. Zerizer, “Perturbations for linear difference equations,” *Journal of Mathematics Analysis and Applications*, Vol. 305, 43–52, 2005.
339. H. Liu, F. Sun, and Z. Sun, “Stability analysis and synthesis of fuzzy singularly perturbed systems,” *IEEE Transactions on Fuzzy Systems*, Vol. 13, 273–284, 2005.
340. H. Liu, F. Sun, C. Li, and Z. Sun, “Stability analysis of robust controller design for uncertain discrete-time singularly perturbed systems,” *Dynamic of Continuous Discrete and Impulsive Systems*, Vol. 12, 849–865, 2005.
341. M. Ilic, “Automated operation of large electric power systems over broad ranges of supply/demand and equipment status,” in *Applied Mathematics for Restructured Electric Power Systems: Optimization, Control, and Computational Intelligence*, (eds.) J. Chow, F. Wu, and J. Momah, p. 137, Springer Science, New York, 2005.
342. H. Mukaidani, “Numerical computation for  $H_2$  state feedback control of large scale systems,” *Dynamics of Continuous Discrete and Impulsive Systems*, Vol. 12, 281–297, 2005.
343. S. Djennoune and M. Bettayeb, “On the structure of energy functions of singularly perturbed bilinear systems,” *International Journal on Robust and Nonlinear Control*, Vol. 15, 601–618, 2005.
344. Y-J. Kim, B-S. Kim, and M-T. Lim, “Finite-time composite control for a class of singularly perturbed nonlinear systems via successive Galerkin approximation,” *IEE Proceedings — Control Theory and Applications*, Vol. 152, 507–512, 2005.
345. A. Tellili, M. Abdelkrim, and M. Benrejeb, “On the fault diagnosis of uncertain singularly perturbed systems,” *Proceedings of the Institution of Mechanical Engineers Part I — Journal of Systems and Control Engineering*, Vol. 220, 509–516, 2006.
346. M. Dimitriev and G. Kurina, “Singular perturbations in control systems,” *Automation and Remote Control*, vol. 67, 1–43, 2006.
347. A. Tellili, M. Abdelkrim, and M. Benjereb, “Reliable  $H_\infty$  control of multiple time scales singularly perturbed systems with sensor failure,” *International Journal of Control*, Vol. 80, 659–665, 2007.
348. JSH. Tsai, Z-Y. Yang, S-M, Guo, L-S. Shieh, and C-W. Chen, “Linear-Quadratic Nash game-based tracker for multiparameter singularly perturbed sampled-data systems: digital redesign approach,” *International Journal of General Systems*, Vol. 36, 643–672, 2007.
349. V. Glizer, “Infinite horizon quadratic control of linear singularly perturbed systems with small state delays: an asymptotic solution of Riccati-type equations,” *IMA Journal of Mathematical Control and Information*, Vol. 24, 435–459, 2007.

350. V. Voropaeva, "Decomposition of problems of optimal control and estimation for discrete systems with fast and slow variables," *Automation and Remote Control*, Vol. 69, 920–928, 2008.
351. V. Glizer, "Correctness of a constrained control Mayer's problem for a class of singularly perturbed functional-differential systems," *Control and Cybernetics*, 329–351, 2008.
352. M-B. Chen, V. Radisavljevic, C-C. Chang, C-F. Lin, and W-C. Su, "A sampled-data singularly perturbed boundary control for a heat conduction system with noncollocated observation," *IEEE Transaction on Automatic Control*, Vol. 54, 1305–1310, 2009.
353. H. Mukaidani and V. Dragan, "Control of deterministic and stochastic systems with several small parameters — A survey," *Annals of the Academy of Romanian Scientists: Series on Mathematics and Its Applications*, Vol. 1, 112–140, 2009.
354. V. Y. Glizer, "L2–stability conditions for a class of nonstandard singularly perturbed functional-differential systems," *Dynamics of Continuous Discrete and Impulsive Systems*, Vol. 16, 181–213, 2009.
355. L. Li and FC. Sun, "An adaptive tracking controller design for nonlinear singularly perturbed systems using fuzzy singularly perturbed model," *IMA Journal of Mathematical Control and Information*, Vol. 26, 395–415, 2009.
356. A. A. Kabanov, "Synthesis of terminal control for discrete singularly perturbed systems," *Automation of Processes and Systems* (in Russian), Vol. 95, 141–145, 2009.
357. L. Li and FC. Sun, "The direct adaptive control based on the singularly perturbed model the unknown consequence parameters," *International Journal of Control Automation and Systems*, Vol. 8, 238–243, 2010.
358. Y. Huang, C. Cai, and Y. Zou, "Finite frequency positive real control for singularly perturbed systems," *International Journal of Control, Automation, and Systems*, Vol. 9, 376–383, 2011.
359. V. Glizer, "L2–stabilizability condition for a class of nonstandard singularly perturbed functional-differential systems," *Dynamic of Continuous, Discrete and Impulsive Systems: Series B*, Vol. 16, 376–383, 2011.
- Z. Gajic and M. Qureshi, *Lyapunov Matrix Equation in System Stability and Control*, Academic Press, San Diego, 1995.**
360. L. Jodar, J. Cortes, and J. Morera, "Construction and computation of variable coefficient Sylvester differential problems," *Computers & Mathematics with Applications*, Vol. 32, 41–50, 1996.
361. A. Demir, W. Liu, and A. Sangiovanni-Vincetelli, "Time-domain Non-Monte Carlo npise simulation for nonlinear dynamic circuits with arbitrary excitations," *IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems*, Vol. 15, 493–505, 1996.
362. C-H. Lee, M. Kawamata, and T. Higuchi, "State-space approach to roundoff error analysis of fractal image coding," *IEICE Transactions on Fundamentals of Electronics Communications and Computer Science E80A*, Vol. 1, 159–165, 1997.
363. P. Enders and W. Woerner, "Erratum and addendum to "Eight-band  $k \times p$  Hamiltonian matrix for strained tetrahedral semiconductors:  $4 \times 4$  block diagonalization for symmetric k-directions," *Physica Status Solidi B-Basic Research*, Vol. 200, 307–307, 1997.
364. S. Cox and J. Moro, "A Luapunov function for systems whose linear part is almost classically damped," *ASME Transactions Journal of Applied Mechanics*, Vol. 64, 965–968, 1997.
365. H. Mukaidani and K. Mizukami, "The recursive algorithm for  $H_\infty$  type Riccati equation with small parameter," *Transactions of Electrical Engineers of Japan*, Vol. 117–C, no. 10, 1464–1471, 1997.
366. C. Chui and G. Chen, *Disrete  $H^\infty$  Optimization*, p. 252, Springer Verlag, Berlin, 1997.
367. H. Mukaidani and H. Xu, "The recursive algorithm of  $H_\infty$  control problems for standard and nonstandard singularly perturbed systems," *Transactions of the Society of Instrument and Control Engineers*, Vol. 34, no. 6, 555–562, 1998.
368. W. Wild, "Lyapunov stability criteria for zonal adaptive-optics systems," *Optics Letters*, Vol. 23, 570–572, 1998.
369. M. Tippett, "Bounds for the solution of the discrete algebraic Lyapunov equation," *Automatica*, Vol. 34, 275–277, 1998.
370. I. Gavriljuk and V. Makarov, "Exact and approximate solutions of some operator equations based on the Cayley transform," *Linear Algebra and Its Applications*, Vol. 282, 97–121, 1998.
371. L. Jodar and J. Lopez, "Rational matrix approximation with a priori error bounds for non-symmetric matrix Riccati equations with analytic coefficients," *IMA Journal of Numerical Analysis*, Vol. 18, 545–561, 1998.
372. E. Defez and L. Jodar, "Some applications of the Hermite matrix polynomials series expansions," *Journal of Computational and Applied Mathematics*, Vol. 99, 105–117, 1998.
373. W. Wild, "A matrix formulation of Einstein's vacuum field equations," *E-Print Archive: General Relativity-Quantum Cosmology*, 9812095, 1998.
374. H. Mukaidani, Y. Kobayashi, and T. Okita, "Recursive algorithm for linear quadratic Nash games for singularly perturbed systems," *Transactions of the Society of Instrument and Control Engineers*, Vol. 35, no. 5, 630–637, 1999.
375. H. Mukaidani, Y. Kobayashi, and T. Okita, "Robust  $H_\infty$  control problem for nonstandard singularly perturbed systems via output feedback," *Transactions of the Society of Instrument and Control Engineers*, Vol. 35, no. 10, 1273–1282, 1999.
376. L. Socha, "Active control of nonlinear 2–degree-of-freedom vehicle suspension under stochastic excitations," in *Smart Structures*, J. Holnicki-Szulc and J. Rodellar (eds.), p. 327, Kluwer Academic Publishers, Dordrecht, The Netherlands, 1999.

377. M. Tippet and D. Marchesin, "Bounds for solutions of the discrete algebraic Lyapunov equation," *IEEE Transactions on Automatic Control*, Vol. 44, 214–218, 1999.
378. M. Tippet and D. Marchesin, "Upper bounds for the solution of the discrete algebraic Lyapunov equation," *Automatica*, Vol. 35, 1485–1489, 1999.
379. M. Shadayadeh and M. Kawamata, "Bias removal algorithm for 2-D equation error of adaptive IIR filters," *Multidimensional Systems and Signal Processing*, Vol. 10, 429–441, 1999.
380. M. Kimmel, "Population dynamics-coded in DNA: genetic traces of the expansion of modern humans," *Physica A*, Vol. 273, 158–168, 1999.
381. B. Jiang, J. Wang, and Y. Soh, "Robust fault diagnosis for a class of linear systems with uncertainty," *Journal of Guidance Control and Dynamics*, Vol. 22, 736–740, 1999.
382. P. Benner, J. Claver, and E. Quintana-Orti, "Parallel distributed solvers for large scale generalized Lyapunov equations," *Parallel Processing Letters*, Vol. 9, 147–158, 1999.
383. D. Debeljkovic and S. Milinkovic, *Stabilnost Sistema sa Kasnjenjem na Konacnom Vremenskom Intervalu*, GIP Kultura, Belgrade, p. 183, 1999.
384. D. Goldstein, *Microsatellites: Evolution and Applications*, p. 143, Wiley 1999.
385. B-F. wang and G. Guo, "Kalman filtering with partial Markovian packet losses," *International Journal of Automation and Computing*, Vol. 6, 395–400, 2009.
386. M. Ades, P. Caines, and R. Malhame, "Stochastic optimal control under Poisson-distributed observations," *IEEE Transactions on Automatic Control*, Vol. 45, 3–13, 2000.
387. H. Mukaidani, Y. Kobayashi, and T. Okita, "Numerical algorithm for solving coupled algebraic equations with  $\gamma$ ," *Transactions of Electrical Engineers of Japan*, Vol. 120-C, no. 5, 699–708, 2000.
388. M. Robbe and R. Sadkane, "Discrete-time Lyapunov stability of large matrices," *Journal of Computational and Applied Mathematics*, Vol. 115, 479–494, 2000.
389. M. Konstantinov, V. Mehrmann, and P. Petkov, "On propertires of Sylvester and Lyapunov operators," *Linear Algebra and Its Applications*, Vol. 312, 35–71, 2000.
390. S. Gy, "Optimal bidirectional associative memories," *International Journal of Systems Science*, Vol. 31, 751–757, 2000.
391. H. Mukaidani and K. Mizukami, "The guaranted cost control problem of uncertain singularly perturbed systems," *Journal of Mathematical Analysis and Applications*, Vol. 251: 716–735, 2000.
392. D. Menemenlis and M. Chechelnitsky, "Error estimates for an ocean general circulation model from altimeter and acoustic tomography data," *Monthly Weather Review*, Vol. 128, 763–778, 2000.
393. M. Trippett, S. Cohn, R. Todling, and D. Marchesin, "Low-dimensional representation of error covariance," *Tellus Series A—Dynamic Meteorology and Oceanography*, Vol. 5, 533–553, 2000.
394. R. Todling, "Estimation theory and atmospheric data ssimilation," pp. 49–65, in *Inverse Methods in Global Biochemical Cycles*, (eds.) P. Kasibhatla, M. Heimann, P. rayner, N. Mahowald, R. Prinn, and D. Hartley, American geophysical Union, 2000.
395. H. Mukaidani, H. Xu, and K. Mizukami, "Recursive algorithm for mixed  $H_2/H_\infty$  control problem of singularly perturbed systems," *International Journal of Systems Science*, Vol. 31, 1299–1312, 2000.
396. H. Mukaidani, N. Tomoaki, Y. Kobayashi, and T. Okita, "Quadratic stabilization of nonstandard singularly perturbed systems via Riccati equation appraoach," *Transactions of the Institute of Electrical Engineers of Japan*, Vol 120–C, no. 7, 967–976, 2000.
397. W. J. Wild, "Innovative Wavefront Estimators for Zonal Adaptive Optics Systems," p. 199–230, in R. Tyson, *Optical Engineering Handbook*, Marcel Dekker, p.226, 228, 2000.
398. A. Czornik and A. Swierniak, "Lower bounds on the solution of coupled algebraic Riccati equation," *Automatica*, Vol. 37, 619–624, 2001.
399. A. Czornik and A. Swierniak, "On the sensitivity of the coupled discrete-time Lyapunov equation," *IEEE Transactions on Automatic Control*, Vol. 46, 659–664, 2001.
400. W. Zhu, M. Jun, and Y. Altintas, "A fast tool servo design for precision turning of shafts on conventional CNC lathes," *International Journal of Machine Tools & Manufacturing*, Vol. 41, 953–965, 2001.
401. Yongbing Quan and Huanguang Zhang, "Identificationa and control of a class of nonlinear systems," *Control Theory and Applications*, Vol. 18, 185–190, 2001.
402. A. Bobrowski, M. Kimmel, O. Arino, and R. Chakraborty, "A semigroup representation and asymptotic behavior of certain statistics of the fisher-wright-moran coalescent," p. 215–247, in *Handbook of Statistics*, Vol. 19, Elsevier, 2001.
403. H. Zhang and Y. Quan, "Modelling, identification, and control of a class of nonlinear systems," *IEEE Transactions on Fuzzy Systems*, Vol. 9, 349–354, 2001.
404. D. N. Shanbhag, and C. R. Rao, *Stochastic Processes: Theory and Methods*, Elsevier, p. 246, 2001.
405. M. Lelic, "An overview of balancing order reduction techniques using the method of singular perturbations and new alternative techniques," *Dynamics of Continuous, Discrete, and Impulsive Systems*, Vol. 9, 293–316, 2002.
406. A. Czornik and A. Swierniak, "On the sensitivity of the coupled continuous-time Lyapunov equations," *IEEE Transactions on Automatic Control*, Vol. 47, 1138–1142, 2002.

407. I. Gavriyuk, W. Hackbusch, and B. Khoromskij, "H-Matrix approximation for the operator exponential with applicayions," *Numerische Mathematik*, Vol. 92, 83–111, 2002.
408. T. Stykel, "Stability and inertia theorems for generalized Lyapunov equations," *Linear Algebra and Its Applications*, Vol. 355, 297–314, 2002.
409. P. Suchomski, "Numerically robust delta-domain solutions to discrete-time Lyapunov equations," *Systems & Control Letters*, Vol. 47, 319–326, 2002.
410. B. Jiang, J. Wang, and Y. Soh, "An adaptive technique for robust diagnosis of faults with independent effects on system outputs," *International Journal of Control*, Vol. 75, 792–802, 2002.
411. A. Antoulas, D. Sorensen, and Y. Zhou, "On the decay rate of Hankel singular values and related issues," *Systems & Control Letters*, Vol. 46, 323–342, 2002.
412. B. Jiang and M. Stroswiecki, "Adaptive observer design via robust fault estimation," *International Journal of Systems Science*, Vol. 33, 765–775, 2002.
413. M. Bidani, N. Radhy, B. Bensassi, "Optimal control of discrete-time singularly perturbed systems," *International Journal of Control*, vol. 75, 955–966, 2002.
414. M. Sadkane, "Estimates from the discrete-time Lyapunov equation," *Applied Mathematics Letters*, Vol. 16, 313–316, 2003.
415. D. Liaw and C. Chen, "The linear-exponential-quadratic-gaussian control for discrete systems with applications to reliable stabilization," *Applied Mathematics and Computation*, Vol. 317, 303–321, 2003.
416. C. Hsieh, "Reliable control design using a two-stage linear quadratic reliable control," *IEE Proceedings-Control Theory and Applications*, Vol. 150, 77–82, 2003.
417. E. Delgado and A. Barreiro, "Sonar-based robot navigation using nonlinear robust observers," *Automatica*, Vol. 39, 1195–1203, 2003.
418. C. Bishop, C. Reynolds, and M. Tippet, "Optimization of the fixed global observing network in a simple model," *Journal of the Atmospheric Sciences*, Vol. 60, 1471–1489, 2003.
419. H. Mukaidani, "An LMI approach to generalized cost control for uncertain delay systems," *IEEE Transactions on Circuits and Systems—I: Fundamental Theory and Applications*, Vol. 50, 795–800, 2003.
420. H. Mukaidani, Y. Tanaka, and K. Mizukami, "Newton's method for solving Riccati equation related to singularly perturbed systems," *Transactions of Electrical Engineers of Japan*, Vol. 123, no. 5, 970–977, 2003.
421. E. Shmerling and K. Hochberg, "Solution to jump parameter systems of differential and difference equations with semi-Markov coefficients," *Journal of Applied Probability*, Vol. 40, 442–454, 2003.
422. G. Casinovi and C. Young, "Estimation and power dissipation in switched-capacitor circuits," *IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems*, Vol. 22, 1625–1636, 2003.
423. M. Konstantinov, D. W. Gu, V. Mehrmann, and P. Petkov, *Perturbation Theory of Matrix Equations*, North Hollad, page 412, 2003.
424. J. Graef, C. Qian, Vand B. Zhang, "Formulas for Liapunov functions for systems of linear difference equations," *Proceedings of the London Mathematical Society*, Vol. 88, 185–203, 2004.
425. T. Damm, "Rational matrix equations in stochastic control," *Lecture Notes in Control and Information Sciences*, Vol. 297, p. 188, 2004.
426. O. Mason and R. Shorten, "On common Lyapunov functions for stable discrete-time LTI systems," *IMA Journal of Applied Mathematics*, Vol. 69, 271–283, 2004.
427. D. Debeljkovic, S. Milinkovic, and M. Jovanovic, *Kontinualni Singularni Sistemi*, Belgrade, p. 402, 2004.
428. D. Debeljkovic, S. Milinkovic, and S. Stojanovic, *Stabilnost Sistema sa Cistim Vremenskim Kasnjenjem na Konacnom and Beskonacnom Intervalu*, Belgrade, p. 409, 2004.
429. E. Delgado and A. Barreiro, "Sonar-based robot navigation using non-linear robust discrete-time observers," *International Journal of Control*, Vol. 77, 693–702, 2004.
430. R. Tomioka, H. Kimura, T. Kobayashi, and K. Aihara, "Multivariate analysis of noise in genetic regulatory networks," *Journal of Theoretical Biology*, Vol. 229, 501–521, 2004.
431. H. Mukaidani, "An LMI approach to decentralized guaranteed cost control for a class of uncertain nonlinear large-scale delay systems," *Journal of Mathematical Analysis and Applications*, Vol. 300, 17–29, 2004.
432. M. K. Camhbel and J. M. Schumacher, "Compositi Lyapunov functions," pp. 189–193, in , *Unsolved Problems in Mathematical Systems and Control Theory*, V. Blondel and A. Megretski (eds.), Princeton University Press, 2004.
433. H. Mukaidani, H. Xu, and K. Mizukami, "Numerical Algorithm for Solving Cross-Coupled Algebraic Riccati equations of Singularly Perturbed Systems," *Annals of Dynamic Games*, Vol. 7, 545–570, 2005.
434. I. Gavriyuk, W. Hackbusch, and B. Khoromskij, "Data-sparce approximation to a class of operator-values functions," *Mathematics of Computations*, Vol. 74, 681–708, 2005.
435. M. Sadkane, "Norm estimates of the Fourier series coefficients of the matrix resolvent," *Applied Mathematics Letters*, Vol. 11, 149–153, 2005.
436. Z. Emirsajlow and S. Townley, "On the application of the implemented semigroup to a problem arising in optimal control," *International Journal of Control*, Vol. 78, 298–310, 2005.

437. A. Balluchi, P. Murrieri, and A. Sangiovanni-Vincenteli, "Controller synthesis on non-uniform and uncertain discrete-time domains," in "Hybrid System: Computation and Control," in *Lecture Notes in Computer Science*, Vol. 3414, 118–133, 2005.
438. C-H. Lee, "Iterative upper bounds of the solution of the continuous Lyapunov matrix equation," *Journal of Chen Shiu University*, Vol. 18, 137–146, 2005.
439. S. Djennoune and M. Bettayeb, "On the structure of energy functions of singularly perturbed bilinear systems," *International Journal on Robust and Nonlinear Control*, Vol. 15, 601–618, 2005.
440. L. M. Li, "Factorization of moving-average spectral densities by state-space representations and stacking," *Journal of Multivariate Analysis*, Vol. 96, 425–438, 2005.
441. D-H. Yeom, K-H. Im, and J-Y. Choi, "New stability criterion and pole assignment for switched linear systems," *International Journal of Control, Automation, and Systems*, Vol. 3, 580–590, 2005.
442. K. Hochberg and E. Shmerling, "Stability and optimal control of semi-Markov jump parameter linear systems," p. 205–211, in *Recent Advances in Applied Probability*, R. Baeza-Yates, J. Glaz, H. Glyz, J. Husler, and J. Palacios (eds.), Springer-Verlag, New York, 2005.
443. D. Debeljkovic, L. Jacic, and M. Medenica, *Systemi sa Kasnjenjem.: Stabilnost i Robustnees*, Univerzitet u Beogradu, Beograd, pp. 459, 2005.
444. Y. Zhu and P. Pagilla, "Bounds of the Solution of the time-varying linear matrix differential equation  $\dot{P}(t) = A^H(t)P(t) + P(t)A(t) + Q(t)$ ," *IMA Journal of Mathematical Control and Information*, Vol. 23, 269–277, 2006.
445. P. Benner, E. Quintana-Orti, and G. Quintana-Orti, "Solving stable Sylvester equations via rational iterative schemes," *Journal of Scientific Computing*, Vol. 28, 51–83, 2006.
446. Y. Zhou and A. Roy, "Effect of tapering on accuracy of forecasts made with stable estimators of autoregressive processes," *International Journal of Forecasting*, vol. 22, 169–180, 2006.
447. D. Yeom and J. Choi, "Switching control for second order nonlinear systems using singular hyperplanes," *International Journal of Control, Automations, and Systems*, vol. 4, 124–135, 2006.
448. C-H. Lee, "New upper solution bounds of the continuous algebraic Riccati matrix equation," *IEEE Transactions on Automatic Control*, vol. 51, 330–335, 2006.
449. LS Tsimring, D.Volfson, and J. Hasty, "Stochastically driven genetic circuits," *Chaos*, Vol. 16, Article no. 026103, Jun 2006.
450. V. Radisavljevic, "A simple practical classical  $H_2$  optimal robust controller," *Journal of Guidance, Control, and Dynamics*, Vol. 29, 1417–1420, 2006.
451. V. Kecman, "Eigenvector approach for reduced-order optimal control problems of weakly coupled systems," *Dynamics of Continuous Discrete and Impulsive Systems*, Vol. 13, 569–588, 2006.
452. H. Mukaidani, "A numerical analysis of the Nash strategy for weakly coupled large-scale systems," *IEEE Transactions of Automatic Control*, Vol. 51, 1371–1377, 2006.
453. H. Mukaidani, "Local uniqueness for nash solutions of multiparameter singularly perturbed systems," *IEEE Transactions on Circuits and Systems-II: Express Briefs*, Vol. 53, 1103–1107, 2006.
454. H. Zhang and D. Liu, *Fuzzy Modeling and Fuzzy Control*, Birkhauser, Boston, pp. 320, 2006.
455. J. Zhou, "Harmonic Lyapunov equations in continous-time periodic systems," *IET Control Theory and Applications*, Vol. 1, 946–954, 2007.
456. G. Guo and B-F. Wang, "Kalman filtering with partial Markovian packet losses," *International Journal of Automation and Computing*, Vol. 4, 100–106, 2007.
457. J. Bilmes, "Tied and Regularized Conditional Gaussian Graphical Models for Acoustic Modeling in ASR," pp. 521–555, in *Gaussian Models in Automatic Speech Recognition: Handbook of Signal Processing in Acoustics*, Springer, new York, 2009.
458. D. Debeljkovic, *Stability of Control Systems over Finite-Time*, p. 19, University of Belgrade ME Press, 2009.
459. YH. Li, HJ. Gao, J. Lam, and CH. Wang, "Robust peak-to-peak model reduction for uncertain linear systems: Continuous- and discrete-time case," *Dynamics of Continuous Discrete and Impulsive Systems: Series B - Applications & Algorithms*, Vol. 14, 291–304, 2007.
460. R. Aloy, M. Casaban, and L. Jodar, "Constructing unconditionally time-stable numerical solutions for mixed parabolic systems," *Computers and Mathematics with Applications*, Vol. 53, 1773–1783, 2007.
461. FC. Meral and I. Basdogan, "Design methodology for micromechanical systems. Case study: Torsional scanner mirror," *Journal of Mechanical Design*, Vol. 129, 1023–1030, 2007.
462. F. Freitis, J. Rommes, and N. Martins, "Gramian-based reduction method applied to large sparse power system descriptor models," *IEEE Transactions on Power Systems*, Vol. 23, 1258–1270, 2008.
463. I. Ivanov, "On some iterations for optimal control of jump linear equations," *Nonlinear Analysis*, Vol. 69, 4012–4024, 2008.
464. E. Virnik, "Stability analysis of positive descriptor systems," *Linear Algebra and Its Applications*, Vol. 429, 2640–2659, 2008.
465. S. M. Shahruz, "Self-equalization of energies of solitons in transmission systems by guiding filters," *Physica D: Nonlinear Phenomena*, Vol. 237, 2531–2538, 2008.
466. R. Davies, P. Shi, and R. Wiltshire, "New lower matrix bounds for the solution of the continuous algebraic Riccati equation," *Asian Journal of Control*, Vol. 10, 449–455, 2008.

467. BS. Kim, IJ. Shim, MT. Lim, and YJ. Kim, "Combined preorder and postorder traversal algorithm for the analysis of singular systems by harr wavelets," *Mathematical Probelms in Engineering*, Article 323080, 2008.
468. P. Benner, JR. Li, and T. Penzl, "Numerical solution of large-scale Lyapunov equations, Riccati equations, and linear quadratic optimal control problems," *Numerical Linear Algebra with applications*, Vol. 15, 755–777, 2008.
469. P. Benner, "Large-matrix equations of special type," *Numerical Linera Algebra with Applications*, Vol. 15, 747–754, 2008.
470. F. C. Meral and I. Basdogan, "Design methodology for microelectromechanical systems: case study: Torsional Scanner mirror," *Journal of Mechanical Design*, Vol. 129, 1023–1030, 2008.
471. D. Havelock, S. Kuwano, and M. Vorlander, (eds.) *Handbook on Signal Processing in Acustics*, "Gaussian Models in Automatic Spech Recognition," page 522, Springer, New York, 2008.
472. M. Meisami-Azad, J. Mohammadpour, and K. Grigoriadis, "Explicit solutions for collocated structural control with guaranteed H-2 norm performance specifications," *Smart Materials & Structures*, Vol. 18, no. 3, Article Number 035004, March 2009.
473. V. Radisavljevic, "Calculation of feedback gains for an optimal controller," *Proceedings of IMechE Part I: Journal of Systems and Control Engineering*, Vol. 223, 581–584, 2009.
474. C. Langbort and V. Gupta, "Minimal interconnection topology in distributed control design," *SIAM Journal of Control and Optimization*, Vol. 48, 397–413, 2009.
475. J. Wang, Z. Duan, Y. Yang, and L. Huang, *Analysis and Control of Nonlinear Systems with Stationary Sets*, World Scientific, 2009.
476. F. Greensite, "Minimax entropy solutions of ill-posed problems," *Quarterly of Applied Mathematics*, Vol. 67, 137–161, 2009.
477. I. Ivanov, "Stein iterations for the coupled discrete-time Riccati equations," *Nonlinear Analysis*, Vol. 71, 6244–6253, 2009.
478. C-H. Lee and C-Y. Chen, "Matrix solution bounds of the continuous Lyapunov equation by using a bilinear transformation," *Journal of the Franklin Institute*, Vol. 346, 741–751, 2009.
479. JG. Li and JQ. Yuan, "Onserver based H-infinity control of networked non-linear systems for multiple sensors with different packet losses probabilities," *Proceedings of IME Part I-Journal of Systems and Control Engineering*, Vol. 223, 1149–1161, 2009.
480. JG. Li and JQ Yuan, "Observer-based H-infinity control for networked systems with random communication delays," *Proceedings of the Institution of Mechanical Engineers Part I — Journal of Systems and Control Engineering*, Vol. 224, 209–222, 2010.
481. O. Suvak and A. Demir, "Quadratic approximations of the isochorns of oscillators: A general theory, advanced numerical methods, and accurate phase computations," *IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems*. Vol. 29, 1215–1228, 2010.
482. A. Dimakis and F. Muller-Hoissen, "Solutions of matrix NLS systems and their discretizations: A unified treatment," *Inverse Problems*, Vol. 26, no. 9, article 095007, 2010.
483. J. Jouffroy and T. Fossen, "A tutorial on increamental stability analysis using contraction theory," *Modeling Identification and Control*, Vol. 31, 93–106, 2010.
484. H. Alonso and P. Rocha, "A general stability test for switched positive systems based on a multidimensional system analysis," *IEEE Transactions on Automatic Control*, Vol. 55, 2660–2664, 2010.
485. C. Cueves and J. C. de Souza, "A perturbation theory for the discrete harmonic oscillator equation," *Journal of Difference Equations and Applications*, Vol. 16, 1413–1428, 2010.
486. Y-H. Gao and Z-Z Bai, "On inexact Newton methods based on doubling iteration scheme for non-symmetric algebraic Riccati equations," *Numerical Linear Algebra with Applications*, Vol. 18, 325–341, 2011.
487. C. Yi, Y. Chen., and Z. Lu, "Improved gradient based neural networks for online solution of Lyapunov matrix equations," *Information Processing Letters*, Vol. 111, 780–786, 2011.
488. H. Qian, "Nonlinear stochastic dynamics of mesoscopic homogeneous biochemical reaction systems: An analytic theory," *Nonlinearity*, Vol. 24, R19–R49, Jan. 2011.
489. M. Mahmoud, *Decentralized Systems with Design Constraints*, p. 91, Springer, 2011.
490. W. Chen, B. D. O. Anderson, M. Deister, and A. Filler, "Solutions of Yule-Walker equations for singular AR processes" *Journal of Time Series Analysis*, Vol. 32, 531–538, 2011.
491. C-H. Lee, C-Y. Liu, and P-S. Liao, "On the measurement of lower solution bounds of the discrete algebraic :yapunov equation," *ICIC Express Letters*, Vol. 5, 2553–2558, 2011.
492. M. Sadkane, "A lower rank Krylov squared Smith method for large-scale discrete-time Lyapunov equations," *Linear Algebra and Its Applications*, in press, 2011.
493. V. Druskin, L. Knizhnerman, and V. Simoncini, "Analysis of the rational Krylov subspace and ADI methods for solving the Lyapunov equation," *SIAM Journal on Numerical Analysis*, Vol. 49, 1875–1898, 2011.
494. R. Garg, G. Cecchi, and A. Rao, "Full-brain auto-regressive modeling (FARM) using fMRI, *NeuroImage*, Vol. 58, 416–441, 2011.

**Z. Gajic and R. Losada**, "Monotonicity of algebraic Lyapunov iterations for optimal control of jump parameter

- linear systems,” *Proc. American Control Conference*, 774–775, Philadelphia, **1998**. (*Systems & Control Letters*, Vol. 41, 175–181, **2000**.)
495. J. do Val, J. Geromel, and O. Costa, “Solutions for the linear-quadratic control problem of Markov jump linear systems,” *Journal of Optimization Theory and Applications*, Vol. 103, 283–311, 1999.
496. H. Wang, “Model reference adaptive control of the output stochastic distributions for unknown linear stochastic systems,” *International Journal of Systems Science*, Vol. 30, 707–715, 1999.
497. H. Wang, *Bounded Dynamic Stochastic Systems: Modeling and Control*, Advances in Industrial Control Series, Springer Verlag, p. 171, 2000.
498. H. Wang, H. Baki, and P. Kabore, “Control of bounded dynamic stochastic distributions using square root models: an applicability study in papermaking systems,” *Transactions of the Institute of Measurement and Control*, Vol. 23, 51–68, 2001.
499. H. Wang, “Minimum entropy control of non-gaussian dynamic stochastic systems,” *IEEE Transactions on Automatic Control*, Vol. 47, 398–403, 2002.
500. J. do Val and O. Costa, “Numerical solution for linear-quadratic control problems of Markov jump linear systems and weak detectability concept,” *Journal of Optimization Theory and Applications*, Vol. 114, 69–96, 2002.
501. H. Wang, “Control of conditional output probability density functions for general nonlinear and non-Gaussian dynamic stochastic systems,” *IEE Proceedings — Control Theory and Applications*, Vol. 150, 55–60, 2003.
502. H. Wang and H. Yue, “A rational spline model approximation and control of output probability density functions for dynamic stochastic systems,” *Transactions of the Institute of Measurement and Control*, Vol. 25, 93–105., 2003.
503. E. Costa and J. do Val, “An Algorithm for solving a perturbed algebraic Riccati equation,” *European Journal of Control*, Vol. 10, 576–580, 2004.
504. L. Guo and H. Wang, “PID controller design for output PDFs of stochastic systems using linear matrix inequalities,” *IEEE Transactions on Systems Man and Cybernetics*, Vol. 35, 65–71, 2005.
505. J-L. Zhou and H. Wang, “Optimal tracking of the output probability density functions: square root B-spline model,” *Control Theory & Applications*, vol. 22, 369–376, 2005.
506. O. Costa, M. Fragoso, and R. Marques, *Discrete-Time Markov Jump Linear Systems*, Probability and Its Applications Series, p. 264, Springer Verlag, London, 2005.
507. H. Wang, A. Wang, and Y. Wang, “Online estimation algorithm for the unknown probability density functions of random parameters in auto-regression and exogenous stochastic systems,” *IEE Proceedings-Control Theory and Applications*, Vol. 153, 462–468, 2006.
508. I. G. Ivanov, “Properties of Stein (Lyapunov) iterations for solving a general Riccati equation,” *Nonlinear Analysis*, Vol. 67, 1155–1166, 2007.
509. H-Y. Chen and H. Wang, “PDF control of stochastic parameter system using linear matrix inequalities,” *Acta Automatica Sinica*, Vol. 33, 1216–1220, 2007.
510. I. Ivanov, “Properties of Lyapunov iteration for coupled Riccati equations in jump linear systems,” *Lecture Notes in Computer Science*, Vol. 4310, 599–606, 2007.
511. I. Ivanov, “On some iterations for optimal control of jump linear equations,” *Nonlinear Analysis*, Vol. 69, 4012–4024, 2008.
512. I. Ivanov, “A method to solve the discrete-time coupled algebraic Riccati equations,” *Applied Mathematics and Computation*, Vol. 206, 34–41, 2008.
513. I. Ivanov, “Numerical solution of discrete-time coupled algebraic Riccati equations,” *Lecture Notes in Computer Science*, Vol. 5434, 314–321, 2009.
514. L. Tong, A-G. Wu, and G-R. Duan, “Finite iterative algorithm for solving coupled Lyapunov equations appearing in discrete-time Markov jump linear systems,” *IET Control theory and Applications*, Vol. 4, 223–2231, 2010.
- Z. Gajic and R. Losada**, “Solution of the state-dependent noise optimal control problem in terms of Lyapunov iterations,” *Automatica*, Vol. 35, 951–954, **1999**.
515. E. Costa and J. do Val, “An Algorithm for solving a perturbed algebraic Riccati equation,” *European Journal of Control*, Vol. 10, 576–580, 2004.
516. I. G. Ivanov, “Properties of Stein (Lyapunov) iterations for solving a general Riccati equation,” *Nonlinear Analysis*, Vol. 67, 1155–1166, 2007.
517. M. Sagara, H. Mukaidani, and T. Yamamoto, “Stochastic  $H_\infty$  control problem with state-dependent noise for weakly coupled large-scale systems,” *Transactions of the Institute of Electrical Engineers of Japan*, Vol. 127, 571–578, 2007.
518. I. Ivanov, “On some iterations for optimal control of jump linear equations,” *Nonlinear Analysis*, Vol. 69, 4012–4024, 2008.
519. H. Mukaidani, “Soft-constrained stochastic nash games for weakly coupled large scale systems,” *Automatica*, Vol. 45, 1272–1279, 2009.
520. H. Mukaidani, H. Xu, and V. Dragan, “Stochastic optimal control for weakly coupled large-scale systems via state and static output feedback,” *IET Control Theory and Applications*, Vol. 4, 1849–1858, 2010.
521. V. Dragan, H. Mukaidani, and P. Shi, “The linear quadratic regulator problem for a class of controlled systems modeled by singularly perturbed Ito differential equations,” *SIAM Journal of Control and Optimization*, in press, 2011.

- Z. Gajic**, *Introduction to Linear and Nonlinear Observers*, Lecture Notes, Rutgers University, 2003.
522. M. Lingu, T. Lingu, N. Jula, and C. Cepisca, "Neuro-adaptive command systems for very maneuverable flying objects," *WSEAS Transactions on Circuits and Systems*, Vol. 7, 668–677, 2008.
- Z. Gajic**, *Linear Dynamics Systems and Signals*, Prentice Hall, 2003.
523. M. Roberts, *Fundamentals of Signals & Systems*, Mc Graw Hill, p. 745, 2008.
524. D. Trost, "A method for constructing and estimating the RR-memory of the QT-interval and its inclusion in a multivariate biomarker for torsades de pointes risk," *Journal of Biopharmaceutical Statistics*, Vol. 18, 773–796, 2008.
525. B. Kalbfuss, D. Flockerzi, A. Sidel-Morgenstern, and U. Reichl, "Size-exclusion chromatography as a linear transfer system: Purification of human influenza virus as an example," *Journal of Chromatography B-Analytical Technologies in the Biomedical and Life Sciences*, Vol. 873, 102–112, 2008.
526. L. Dedik, M. Tyrdonova, M. Durisova, A. Penesova, D. Miklovicova, and M. Kozlovsky, "Computer controlled simulation model: Reconsidering evaluation of measurements from frequently sampled intravenous glucose tolerance test," *Computer Methods and Programs in Biomedicine*, Vol. 95, 1–9, 2009.
527. I. Bonnati, A. Lopes, P. L. D. Peres, and C. Agulhari, *Linearidade em Sinais e Sistemas*, UNICAMP, Brasil, p. 422, 2010.
528. S. M. Ranade, H. Salazar, and L. A. Rodrigez, "Process control: Domains, disciplines, and cognitive difficulties," *Education for Chemical Engineers*, in press, 2011.
529. Dennis M. Sullivan, *Quantum Mechanics for Electrical Engineers*, p. 49, Wiley, 2012.
- Z. Gajic, D. Skataric, and S. Koskie**, "Optimal SIR-based power updates in wireless CDMA communication systems," *Proc. Control Decision Conference*, 5146–5151, **2004**
530. F. Meshkati, D. Guo, H. V. Poor, and S. Schwartz, "A unified approach to power control in large energy-constrained CDMA systems," *IEEE Transactions on Wireless Communications*, Vol. 7, 1208–1216, 2008.
- Z. AGANOVIC and Z. Gajic**, "Composite near-optimal control of singularly perturbed bilinear systems," *Proceedings of the Conference on Information Sciences and Systems*, 553–557, Johns Hopkins University, Baltimore, **1991**.
531. X. Shen, Y. Ying, and M. Rao, "Optimal control of singularly perturbed bilinear systems—A recursive approach, *Control—Theory and Advanced Technology*, Vol. 8, 721–729, 1992.
- Z. Aganovic and Z. Gajic**, "Optimal linear feedback control of bilinear systems," *Proceedings of the Control and Decision Conference*, 1532–1533, Tuscon, Arizona, **1992**.
532. B. Chanane, "Bilinear quadratic optimal control: A recursive approach," *Optimal Control Applications & Methods*, Vol. 18, 273–282, 1997.
533. A. Abouelsoud, "Stabilizing output feedback controller of bilinear systems," *International Journal of Modelling, Identification and Control*, Vol. 6, 313–319, 2009.
- Z. Aganovic and Z. Gajic**, "Optimal control of weakly coupled bilinear systems," *Automatica*, Vol. 29, 1591–1593, **1993**.
534. G. Freiling, "A survey of nonsymmetric Riccati equations," *Linear Algebra and its Applications*, Vol. 351–352, 243–270, 2002.
535. H. Abou-Kandil, G. Freiling, V. Jonescu, and G. Jank, *Matrix Riccati Equations in Control and Systems Theory*, Birkhouser, Verlag, Basel, p. 534, 2003.
536. M. Ekman, "Suboptimal control of the bilinear quadratic regulator problem: Application to the activated sludge process," *IEEE Transactions on Control Systems Technology*, Vol. 13, 162–168, 2005.
537. Y-J. Kim and M-T. Lim, "Parallel robust  $H_\infty$  control for weakly coupled bilinear systems with parameter uncertainties using successive Galerkin approximation," *International Journal of Control, Automation, and Systems*, Vol. 4, 689–696, 2006.
538. Y-J. Kim and M-T. Lim, "Parallel optimal control for weakly coupled bilinear systems using successive Galerkin approximation," *Proceedings of IET — Control Theory and Applications*, Vol. 1, 909–914, 2007.
539. Y-J. Kim and M-T. Lim, "Paarrallel optimal control for weakly coupled nonlinear systems using successive Galerkin approximation," *IEE Transactions on Automatic Control*, Vol. 53, 1542–1547, 2008.
540. D. Adhyaru, I. Kar, and M. Gopal, "Constrained control of weakly coupled nonlinear systems using neural network," *Lecture Notes in Computer Science*, Vol. 5909, 567–572, 2009.
- Z. Aganovic and Z. Gajic**, "The successive approximation procedure for finite-time optimal control of bilinear systems," *IEEE Transactions on Automatic Control*, Vol. AC-39, 1932–1935, **1994**.
541. R. Beard, G. Saridis, and J. Wen, "Galerkin approximation of the generalized Hamilton-Jacobi-Bellman equation," *Automatica*, Vol. 33, 2159–2177, 1997.

542. R. Beard, G. Saridis, and J. Wen, "Approximate solutions to the time-invariant Hamilton-Jacobi-Bellman equation," *Journal of Optimization Theory and Applications*, Vol. 96, 589–626, 1998.
543. P. Roberts, "Stability analysis of iterative optimal control algorithms modelled as linear unit memory repetitive processes," *IEE Proceedings-Control Theory and Applications*, Vol. 147, 229–238, 2000.
544. X. Xu and S. Agrawal, "Finite-time optimal control of polynomial systems using successive suboptimal approximations," *Journal of Optimization Theory and Applications*, Vol. 105, 477–489, 2000.
545. S. Banks and K. Dinesh, "Approximate optimal control and stability of nonlinear finite- and infinite-dimensional systems," *Annals of Operations Research*, Vol. 98, 19–44, 2000.
546. S. Beeler, H. Tan, and H. Banks, "Feedback control methodologies for nonlinear systems," *Journal of Optimization Theory and Applications*, Vol. 107, 1–33, 2000.
547. P. Roberts and V. Becerra, "Optimal control of a class of discrete-continuous non-linear systems—decomposition and hierarchical structure," *Automatica*, Vol. 37, 1757–1769, 2001.
548. B. Kim and M. Lim, "Near-optimal control of the singularly perturbed bilinear systems using successive approximation method," *Dynamics of Continuous, Discrete, and Impulsive Systems*, Vol. 9, 153–162, 2002.
549. Y. Kim, B. Kim, and M. Lim, "Composite controller for singularly perturbed nonlinear systems via Galerkin approximation," *Dynamics of Continuous Discrete and Impulsive Systems: Series B, Applications & Algorithms*, Vol. 10, 247–258, 2003.
550. M. Samavat, A. Sedigh, and S. Banks, "On the approximation of pseudo linear systems by linear time varying systems," *International Journal of Engineering, Transactions A: Basics*, vol. 17, 29–32, 2004.
551. B-S. Kim and M-T. Lim, "Robust  $H_\infty$  Control Method for Bilinear Systems," *International Journal of Control, Automation, and Systems*, Vol. 1, 171–177, 2003.
552. G. Tang and H. Wang, "Successive approximation approach for nonlinear discrete-time systems," *International Journal of Systems Science*, Vol. 36, 153–161, 2005.
553. Y-J. Kim, B-S. Kim, and M-T. Lim, "Finite-time composite control for a class of singularly perturbed nonlinear systems via successive Galerkin approximation," *IEE Proceedings — Control Theory and Applications*, Vol. 152, 507–512, 2005.
554. Y-J. Kim, B-S. Kim, and M-T. Lim, "Robust  $H_\infty$  state feedback control methods for bilinear systems," *IEE Proceedings — Control Theory and Applications*, Vol. 152, 553–559, 2005.
555. G. Tang, H. Ma, B. Zhang, "Successive-approximation approach of optimal control for bilinear discrete-time systems," *IEE Proceedings — Control Theory and Applications*, Vol. 152, 639–644, 2005.
556. G-Y. Tang and B-L. Zhang, "Feedforward and feedback optimal control for nonlinear systems with deterministic disturbances," *Control Theory and Applications*, Vol. 23, 25–30, 2006.
557. G-Y. Tang, V-D. Zhang, and H. Ma, "Optimal output tracking control for bilinear systems," *Transactions of the Institute of Measurement and Control*, Vol. 28, 387–397, 2006.
558. G-Y. Tang, C. Li, and L. Sun, "Optimal tracking control for large-scale interconnected systems with time-delays," *Computers & Mathematics with Applications*, Vol. 55, 80–88, 2007.
559. G-Y. Tang, Y-D. Zhao, and Q-C. Zhao, "Optimal control of nonlinear time-delay systems with persistent disturbances," *Journal of Optimization Theory and Applications*, Vol. 132, 307–320, 2007.
560. F-C. Qian, Z-B. Gao, and D. Liu, "Multi-objective control problem of bilinear systems," *Acta Automatica Sinica*, Vol. 33, 847–851, 2007.
561. G-Y. Tang, C. Li, H-W. Gao, "Observer-based approximate design of optimal output-tracking controller for linear systems with time-delay," *Control Theory and Applications*, Vol. 25, 120–124, 2008.
562. H. Zhang, Q. Wei, and Y. Luo, "A novel infinite-time optimal tracking control scheme for a class of discrete-time nonlinear systems via the greedy HDP iteration algorithm," *IEEE Transactions on Systems, Man, and Cybernetics-Part B: Cybernetics*, 937–942, 2008.
563. F. Amato, C. Cosentino, A. Fiorillo, and A. Merola, "Stabilization of bilinear systems via a linear state-feedback control," *IEEE Transactions on Circuits and Systems-II: Express Briefs*, Vol. 56, 76–80, 2009.
564. P.L. dos Santos, J. A. Ramos, J.L.M. de Carvalho, "Identification of bilinear systems with white noise inputs: An iterative deterministic-stochastic subspace approach," *IEEE Transactions on Control Systems Technology*, Vol. 17, 1145–1153, 2009.
565. J.N. Juang, "Generalized bilinear system identification," *Journal of the Astronautical Sciences*, Vol. 57, 261–273, 2010.
566. C. Xu, Y. Ou, E. Schuster, "Sequential linear quadratic control of bilinear parabolic PDEs based on POD model reduction," *Automatica*, Vol. 47, 418–426, 2011.
567. D. A. Oyarzun, "Optimal control of metabolic networks with saturable enzyme kinetics," *IET Systems Biology*, Vol. 5, 110–119, 2011.
- Z. Aganovic and Z. Gajic**, *Linear Optimal Control of Bilinear Systems*, Springer Verlag, New York, **1995**.
568. H. Wang, "Feedback stabilization of bilinear control systems," *SIAM Journal on Control and Optimization*, Vol. 36, 1669–1684, 1998.
569. W. Langson and A. Alleyne, "Multivariable bilinear vehicle control using steering and individual wheel torques," *ASME Transactions Journal of Dynamic Systems Measurement and Control*, Vol. 121, 631–637, 1999.

570. D. Naidu and A. Calise, "Singular Perturbations and Time Scales in Guidance and Control of Aerospace Systems: A Survey," *Journal of Guidance, Control and Dynamics*, Vol. 24, 1057–1078, 2001.
571. L. Zhang and J. Lam, "On  $H_2$  model reduction of bilinear systems," *Automatica*, Vol. 38, 205–216, 2002.
572. B. Kim and M. Lim, "Near-optimal control of the singularly perturbed bilinear systems using successive approximation method," *Dynamics of Continuous, Discrete, and Impulsive Systems*, Vol. 9, 153–162, 2002.
573. D. Naidu, "Singular perturbations and time scales in control theory and applications: An overview," *Dynamics of Continuous, Discrete, and Impulsive Systems*, Vol. 9, 233–278, 2002.
574. J. Chang, Y. Kim, and M. Lim, "Design of a controller using successive approximation for weakly coupled bilinear systems," *KIEE International Transactions on System and Control*, Vol. 12D-1, 33–38, 2002.
575. H.P. Liu, F.C. Sun, and K.Z. He, "Survey of singularly perturbed control systems: theory and applications," *Control Theory and Applications*, vol. 20, 1–7, 2003.
576. Y. Kim, B. Kim, and M. Lim, "Composite controller for singularly perturbed nonlinear systems via Galerkin approximation," *Dynamics of Continuous Discret and Impulsive Systems: Series B, Applications & Algorithms*, Vol. 10, 247–258, 2003.
577. Y-J. Kim, B-S Kim, and M-T Lim, "Composite control for singularly perturbed bilinear systems via successive Galerkin approximation," *IEE Proceedings–Control Theory and Applications*, Vol. 150, 483–488, 2003.
578. B-S. Kim and M-T. Lim, "Robust  $H_\infty$  control method for bilinear systems," *International Journal of Control, Automation, and Systems*, Vol. 1, 171–177, 2003.
579. H. Mukaidani, T. Shimomura, and H. Xu, "Numerical computation of cross-coupled algebraic Riccati equations related to  $H_2/H_\infty$  control problem for singularly perturbed systems," *International Journal of Robust and Nonlinear Control*, Vol. 14, 697–717, 2004.
580. S. Djennoune and M. Bettayeb, "On the structure of energy functions of singularly perturbed bilinear systems," *International Journal on Robust and Nonlinear Control*, Vol. 15, 601–618, 2005.
581. Y-J. Kim, B-S. Kim, and M-T. Lim, "Finite-time composite control for a class of singularly perturbed nonlinear systems via successive Galerkin approximation," *IEE Proceedings — Control Theory and Applications*, Vol. 152, 507–512, 2005.
582. Y-J. Kim, B-S. Kim, and M-T. Lim, "Robust  $H_\infty$  state feedback control methods for bilinear systems," *IEE Proceedings — Control Theory and Applications*, Vol. 152, 553–559, 2005.
583. Y-J. Kim and M-T. Lim, "Parallel robust  $H_\infty$  control for weakly coupled bilinear systems with parameter uncertainties using successive Galerkin approximation," *International Journal of Control, Automation, and Systems.*, Vol. 4, 689–696, 2006.
584. Y-J. Kim and M-T. Lim, "Parallel optimal control for weakly coupled bilinear systems using successive Galerkin approximation," *Proceedings of IEE — Control Theory and Applications*, Vol. 4, 689–696,, 2006.
585. Z. Xi, G.S. Jin, "Classical and quantum control of a simple quantum system," *International Journal of Quantum Information*, Vol. 5, 857–884, 2007.
586. Z. Xi and G. Jin, "Performance comparison between classical and quantum control for a simple quantum system," *Physica A Statistical Mechanics and Its Applications*, Vol. 387, 1056–1062, 2008.
587. Y-J. Kim and M-T. Lim, "Paarrallel optimal control for weakly coupled nonlinear systems using successive Galerkin approximation," *IEE Transactions on Automatic Control*, Vol. 53, 1542–1547, 2008.
588. P. Pardalos and V. Yatsenko, *Optimization and Control of Bilinear Systems.: Theory Algorithms, and Applications*, p. 353, Springer, 2008.
589. W. Zhang and B-S. Chen, "Stochastic affine quadratic regulator with applications to tracking control of quantum systems," *Automatica*, Vol. 44, 2869–2875, 2008.
590. S-H. Tsai, and T-H Li, "Robust fuzzy control of a class of fuzzy bilinear systems with time-delay," *Chaos, Solitins and Fractals*, Vol. 39, 2028–2040, 2009.
591. THS. Li, SH. Tsai, and MY Hsiao, "Robust H-infinity fuzzy control for a class of time-delay fuzzy bilinear systems with an additive disturbance," *International Journal of Nonlinear Sciences and Numerical Simulation* , Vol. 10, 315–322, 2009.
592. D. Adhyaru, I. Kar, and M. Gopal, "Constrained control of weakly coupled nonlinear systems using neural network," *Lecture Notes in Computer Science*, Vol. 5909, 567–572, 2009.
593. X. Gao, C. Zhang, and H. Zhu, "Saddle-point equilibrium in bilinear Ito stochastic differential games," *Communications in Computer and Information Sciences*, Vol. 227, 369–373, Springer Verlag, 2011.
- Z. Aganovic and Z. Gajic**, "Successive approximation procedure for steady-state optimal control of bilinear systems," *Journal of Optimization Theory and Applications*, Vol. 84, 273–291, **1995**.
594. K. Kim, T. Kwon, and U. Yeo, "Experimental evaluation of bilinear model predictive control for pH neutralization processes," *Journal of Chemical Engineering of Japan*, Vol. 33, 285–291, 2000.
595. H. Mukaidani, Y. Kobayashi, and T. Okita, "Numerical algorithm for solving coupled algebraic equations with  $\gamma$ ," *Transactions of Electrical Engineers of Japan*, Vol. 120–C, no. 5, 699–708, 2000.
596. H. Mukaidani, H. Xu, and K. Mizukami, "Recursive algorithm for mixed  $H_2/H_\infty$  control problem of singularly perturbed systems," *International Journal of Systems Science*, Vol. 31, 1299–1312, 2000.
597. J. Chang, Y. Kim, and M. Lim, "Design of a controller using successive approximation for weakly coupled bilinear systems," *KIEE International Transactions on System and Control*, Vol. 12D-1, 33–38, 2002.

598. Y-J. Kim, B-S. Kim, and M-T. Lim, "Robust  $H_\infty$  state feedback control methods for bilinear systems,," *IEE Proceedings — Control Theory and Applications*, Vol. 152, 553–559, 2005.
599. S-H. Lee and K. Lee, "Bilinear systems controller design with approximation techniques," *Journal of the Chungcheong Mathematical Society*, Vol. 18, 101–116, 2005.
600. Y. Yeo, and Y. Choo, "Bilinear model predictive control of grade change operations in paper production plants," *Korean Journal of Chemical Engineering*, Vol. 23, 167–170, 2006.
601. G-Y. Tang, V-D. Zhang, and H. Ma, "Optimal output tracking control for bilinear systems," *Transactions of the Institute of Measurement and Control*, Vol. 28, 387–397, 2006.
602. H-G. Kang, B-S. Kim, and M-T. Lim, "Steady-state optimal control of singularly perturbed discrete bilinear systems." *Dynamics of Continuous, Discrete and Impulsive Systems*, in press, 2011.

**Z. Aganovic, Z. Gajic, and X. Shen**, Filtering for linear stochastic systems with small measurement noise, *ASME Transactions Journal of Dynamic Systems, Measurement, and Control*, Vol. 117, 425–429, **1995**.

603. J. Braslavsky, M. Seron, D. Mayne, and P. Kokotovic, "Limiting performance of optimal linear filters," *Automatica*, Vol. 35, 189–199, 1999.

**Z. Aganovic, Z. Gajic, and X. Shen**, New method for optimal control and filtering of weakly coupled linear discrete stochastic systems, *Automatica*, Vol. 32, 83–88, **1996**.

604. A. Germani and G. Mavelli, "Optimal quadratic solution for the non-Gaussian finite-horizon regulator problem," *Systems&Control Letters*, Vol. 38, 321–331, 1999.
605. N. Derbel, "How to solve Lyapunov iterative equations," *Computers and Electrical Engineering*, Vol. 27, 459–474, 2001.
606. A. Germani and G. Mavelli, "The polynomial approach to the LQ non-Gaussian regulator problem," *IEEE Transactions on Automatic Control*, Vol. 47, 1385–1391, 2002.
607. Zhang Mabiao, "Several methods to Solve  $A^T X A - X = Q$ ," *Far East Journal of Applied Mathematics*, Vol. 29, 249–260, Nov. 2007.
608. M. Aliya and E. Boukas, "H2 filtering for discrete-time nonlinear singularly perturbed systems," *IEEE Transactions on Circuits and Systems:-I: Regular Papers*, Vol. 58, 1854–1864, 2011.

**S. Al-Takroui and Z. Gajic**, Discrete-time linear system order-reduction via balancing transformation using the method of singular perturbations, *Dynamics of Continuous, Discrete, and Impulsive Systems*, Vol. 14, 697–702, **2005**.

609. S. Al-Takroui and A. Savkin, "A model validation approach to texture recognition and inpainting," *Pattern Recognition*, Vol. 43, 2054–2067, 2010.

**D. Debeljkovic, V. Bajic, and Z. Gajic**, "Further Results on Non-Lyapunov Stability and Instability of Regular and Irregular Generalized State Space Systems," *Proc. 4th Conference SAUM*, 316–333, Kragujevac, Yugoslavia, **1992**.

610. D. Debeljkovic, *Stability of Control Systems over Finite-Time*, p. 446, University of Belgrade ME Press, 2009.

**V. BAJIC, D. Debeljkovic, Z. Gajic, and B. Petrovic**, "Weak domain of attraction and existence of solutions converging to the origin of the phase space of singular linear systems," *Publications of ETF Belgrade, Series in Automatic Control*, Vol. 1, 53–62, **1992**.

611. V. Bajic, *Lyapunov's Direct Method in Analysis of Singular Systems and Networks*, Shades Technical Publications, Durban, p. 14, 1992.
612. D. Debeljkovic, *Kontinualni Singularni Sistemi Automatskog Upravljanja*, GIP Kultura, Belgrade, p. 87, 1996.
613. D. Debeljkovic, M. Jovanovic, S. Milinkovic, L. Jacic, *Discretni Singularni Sistemi Automatskog Upravljanja*, GIP Kultura, 1998.
614. K. Djurovic, D. Debeljkovic, S. Milinkovic, and M. Jovanovic, "Lyapunov stability robustness consideration for linear singular systems: New results," *Facta Universitatis*, Vol. 2, 715–718, 1998.
615. D. Debeljkovic, V. Bajic, T. Eric, and S. Milinkovic, "A Lyapunov analysis of stability robustness for discrete linear descriptor systems," *IMA Journal of Mathematical Control*, vol. 15, 53–62, 1998.
616. D. Debeljkovic, *Stabilnost Sistema sa Kasnjenjem na Konacnom Vremenskom Intervalu*, GIP Kultura, Belgrade, p. 183, 1999.
617. D. Debeljkovic, M. Jovanovic, and V. Drakulic, "Singular systems theory in chemical engineering theory – stability in the sense of Lyapunov: A Survey," *Chemical Industry*, 260–273, Vol. 55, 2001.
618. D. Debeljkovic, "Singular Control systems," *Scientific Review: Science and Engineering*, Vol. 29–30, 139–161, 2001–2002.
619. D. Debeljkovic, S. Antonic, N. Yi-Yong, and Q. Zhang, "On some practical aspects of linear singular control theory application," *Facta Universitatis*, Vol. 1, 1161–1185, 2002.
620. H. F. Wang, "Design of multiple functional unified power flow controller as sampled regulators," *Advances in Modeling and Analysis C*, vol. 58, 39–65, 2003.
621. D. Debeljkovic, S. Milinkovic, and M. Jovanovic, *Kontinualni Singularni Sistemi*, Belgrade, p. 415, 2004.

622. D. Debeljkovic, "Singular Control Systems," *Dynamics of Continuous, Discrete and Impulsive Systems Series A: Mathematical Analysis*, Vol. 11, 691–705, 2004.
623. D. Debeljkovic, M. Jovanovic, and L. Jacic, "Transfer function matrix and fundamental matrix of linear singular descriptor systems," *Scientific Technical Review*, Vol. 44, 77–91, 2004.
624. D. Debeljkovic, M. Jovanovic, S. Milinkovic, and Lj. Jacic, *Diskretni Descriptivni Sistemi*, p. 427, Cigija Stampa, Belgrade, 2005.
625. D. Debeljkovic and N. Visnic, *Linearni Singularni Sistemi*, University of Belgrade, p. 418, 2006.
626. D. Debeljkovic and I. Buzurovic, *Dinamika Kontinualnih Linearnih Singularnih Sistema: Geometrijski Prilaz*, University of Belgrade, p. 436, 2007.
627. D. Debeljkovic, N. Visnjic, and M. Pjescic, "Stability of Linear Continuous Singular Systems over the Finite Time Interval: An Overview," *Scientific Technical Review*, Vol. 57, no. 2, 50–62, 2007.
628. D. Debeljkovic, N. Visnjic, and M. Pjescic, "Stability of Linear Continuous Singular Systems in the Sense of Lyapunov: An Overview," *Scientific Technical Review*, Vol. 57, no. 1, 51–64, 2007.
629. D. Debeljkovic, N. Visnjic, and M. Pjescic, "Stability of Linear Discrete Descriptor Systems in the Sense of Lyapunov: An Overview," *Scientific Technical Review*, Vol. 57, no. 3–4, 49–62, 2007.
630. D. Debeljkovic, G. Simeunovic, and V. Mulic, "Stability of linear descriptor systems on finite time interval — Overview," *Scientific Technical Reviews*, Vol. 58, 70–81, 2008.

**I. BORNO and Z. GAJIC**, "Parallel algorithms for optimal control of weakly coupled and singularly perturbed jump linear systems," *Automatica*, Vol. 31, 985–988, 1995.

631. I. Borno, "Parallel computation of the solutions of coupled algebraic Lyapunov equations," *Automatica*, Vol. 31, 1345–1347, 1995.
632. H. Abou-Kandil, G. Freiling, V. Jonescu, and G. Jank, *Matrix Riccati Equations in Control and Systems Theory*, Birkhauser, Verlag, Basel, p. 537, 2003.
633. E. Boukas and Z. Liu, "Delay-dependent stabilization of singularly perturbed jump linear systems," *International Journal of Control*, Vol. 77, 310–319, 2004.
634. H. P. Liu, F. C. Sun, Z. Q. Sun, "H-infinity control of Markovian jump linear singularly perturbed systems," *IEE Proceedings-Control Theory and Applications*, Vol. 151, 637–644, 2004.
635. M. Sagara, H. Mukaidani, and T. Yamamoto, "Stochastic  $H_\infty$  control problem with state-dependent noise for weakly coupled large-scale systems," *Transactions of the Institute of Electrical Engineers of Japan*, Vol. 127, 571–578, 2007.
636. W. Assawinchaichote, S. Nguand, and P. Shi, "Robust  $H_\infty$  fuzzy filter design for uncertain nonlinear singularly perturbed systems with Markovian jumps: An LMI approach," *Information Sciences*, Vol. 177, 1699–1714, 2007.
637. G. Wang, Q. Zhang, and V. Sreeram, " $H_\infty$  control of discrete-time singularly perturbed systems with two Markov processes," *Journal of the Franklin Institute*, Vol. 347, 836–847, 2010.

**I. Borno and Z. Gajic**, "Parallel algorithm for solving coupled algebraic Lyapunov equations of discrete-time jump linear systems," *Computers & Mathematics with Applications*, Vol. 30, 1–4, 1995.

638. B. Tawfik and D. Durand, "Parameter estimation by reduced-order linear associative memory (ROLAM)," *IEEE Transactions on Biomedical Engineering*, Vol. 44, 297–305, 1997.
639. S. Bohacek and E. Jonckheere, "Linear dynamically varying LQ control of nonlinear systems over compact sets," *IEEE Transactions on Automatic Control*, Vol. 46, 840–852, 2001.
640. S. Bohacek and E. Jonckheere, "Nonlinear tracking over compact sets with linear dynamically varying  $H_\infty$  control," *SIAM Journal on Control and Optimization*, Vol. 40, 1042–1071, 2001.
641. E. Shmerling and K. Hochberg, "Solution to jump parameter systems of differential and difference equations with semi-Markov coefficients," *Journal of Applied Probability*, Vol. 40, 442–454, 2003.
642. E. Boukas and Z. Liu, "Delay-dependent stabilization of singularly perturbed jump linear systems," *International Journal of Control*, Vol. 77, 310–319, 2004.
643. K. Hochberg and E. Shmerling, "Stability and optimal control of semi-Markov jump parameter linear systems," p. 205–221, in *Recent Advances in Applied Probability*, R. Baeza-Yates, J. Glaz, H. Glyz, J. Husler, and J. Palacios (eds.), Springer-Verlag, New York, 2005.
644. Q. Wang, J. Lam, Y. Wei, and T. Chen, "Iterative solutions of coupled discrete Markovian jump Lyapunov equations," *Computers and Mathematics with Applications*, Vol. 55, 843–850, 2008.
645. B. Zhou, J. Lam, and G-R. Duan, "Convergence of gradient-based iterative solution of coupled Markovian jump Lyapunov equations," *Computers and Mathematics with Applications*, Vol. 56, 3070–3078, 2008.
646. B. Zhou, Z-Y. Li, G-R. Duan, and Y. Wang, "Weighted least square solutions to general Sylvester matrix equations," *Journal of Computational and Applied Mathematics*, Vol. 224, 759–776, 2009.
647. B. Zhou, G-R. Duan, and Z-Y. Li, "Gradient based iterative algorithm for solving coupled matrix equations," *Systems and Control Letters*, Vol. 58, 327–333, 2009.
648. I. Ivanov, "Stein iterations for the coupled discrete-time Riccati equations," *Nonlinear Analysis*, Vol. 71, 6244–6253, 2009.

649. L. Tong, A-G. Wu, and G-R. Duan, "Finite iterative algorithm for solving coupled Lyapunov equations appearing in discrete-time Markov jump linear systems," *IET Control Theory and Applications*, Vol. 4, 223–2231, 2010.
650. A-G Wu, B. Li, Y. Zhang, and G-R Duan, "Finite iterative solutions to coupled Sylvester-conjugate matrix equations," *Applied Mathematical Modeling*, Vol. 35, 1065–1080, 2011.
651. Z-Y. Li, B. Zhou, J. Lam, and Y. Wang, "Positive operator based iterative algorithms for solving Lyapunov equations for Ito stochastic systems with Markovian jumps," *Applied Mathematics and Computation*, Vol. 217, 8179–8195, 2011.
652. Y. Yuan and J. Jiang, "Iterative solutions to the linear matrix equations  $AXB + CX^T D = E$ ," *International Journal of Computational and Mathematical Sciences*, Vol. 6, 39–42, 2012.

**D. DEBELJKOVIC, V. Bajic, Z. Gajic, and B. Petrovic**, "Boudness and existence of solutions of regular and irregular singular systems," *Publications of ETF Belgrade, Series in Automatic Control*, Vol. 1, 69–78, **1993**.

653. V. Bajic, *Lyapunov's Direct Method in Analysis of Singular Systems and Networks*, Shades Technical Publications, Durban, p. 16, 1992.
654. D. Debeljkovic, *Kontinualni Singularni Sistemi Automatskog Upravljanja*, GIP Kultura, Belgrade, p. 111, 1996.
655. D. Debeljkovic, M. Jovanovic, S. Milinkovic, L. Jacic, *Discretni Singularni Sistemi Automatskog Upravljanja*, GIP Kultura, 1998.
656. D. Debeljkovic, *Stabilnost Sistema sa Kasnjenjem na Konacnom Vremenskom Intervalu*, GIP Kultura, Belgrade, p. 160, 1999.
657. D. Debeljkovic, "Lyapunov and Non-Lyapunov Stability Theory: Linear Autonomous and Non-Autonomous Singular Systems," *Facta Universitatis*, vol. 3, 1017–1031, 2003.
658. D. Debeljkovic, S. Milinkovic, and M. Jovanovic, *Kontinualni Singularni Sistemi*, Belgrade, p. 422, 2004.
659. D. Debeljkovic, "Singular Control Systems," *Dynamics of Continuous, Discrete and Impulsive Systems Series A: Mathematical Analysis*, Vol. 11, 691–705, 2004.
660. D. Debeljkovic, M. Jovanovic, S. Milinkovic, and Lj. Jacic, *Discretni Descriptivni Sistemi*, p. 427, Cigija Stampa, Belgrade, 2005.
661. D. Debeljkovic and N. Visnic, *Linearni Singularni Sistemi*, University of Belgrade, p. 418, 2006.
662. D. Debeljkovic and I. Buzurovic, *Dinamika Kontinualnih Linearnih Singularnih Sistema: Geometrijski Prilaz*, University of Belgrade, p. 436, 2007.
663. D. Debeljkovic, N. Visnjic, and M. Pjescic, "Stability of Linear Continuous Singular Systems over the Finite Rime Interval: An Overview," *Scientific Technical Review*, Vol. 57, 50–62, 2007.
664. D. Debeljkovic, N. Visnjic, and M. Pjescic, "Stability of Linear Continuous Singular Systems in the Sense of Lyapunov: An Overview," *Scientific Technical Review*, in Vol. 57, no. 1, 51–64, 2007.
665. D. Debeljkovic, N. Visnjic, and M. Pjescic, "Stability of Linear Discrete Descriptor Systems in the Sense of Lyapunov: An Overview," *Scientific Technical Review*, Vol. 57, no. 3–4, 49–62, 2007.
666. D. Debeljkovic, G. Simeunovic, and V. Mulic, "Stability of linear descriptor systems on finite time interval — Overview," *Scientific Technical Reviews*, Vol. 58, 70–81, 2008.
667. D. Debeljkovic, *Stability of Control Systems over Finite-Time*, p. 446, University of Belgrade ME Press, 2009.

**T. GRODT and Z. Gajic**, "The recursive reduced-order numerical solution of the singularly perturbed matrix differential Riccati equation," *IEEE Transactions on Automatic Control*, Vol. AC-33, **1988**.

668. N. Derbel, M. Kamoun, and M. Poloujadoff, "New approach to block diagonalization of singularly perturbed systems by Taylor expansion," *IEEE Transactions on Automatic Control*, Vol. AC-39, 1429–1431, 1994.
669. N. Derbel, M. Kamoun, and M. Ploujadoff, "Reduced-model error analysis "applications to synchronous machines," *Journal de Physique III*, Vol. 4, 1999–2012, 1994.
670. N. Derbel and M. Kamoun, "Sur les méthodes de réduction de modèles linéaires singulièrement perturbés," *RAIRO APII*, Vol. 28, 53–66, 1994.
671. E. Fridman, "Exact decomposition of linear singularly perturbed  $H^\infty$ -optimal control problem," *Kybernetika*, Vol. 31, 591–599, 1995.
672. N. Derbel and A. Kamoun, "Une nouvelle approche pour bloc-diagonaliser des systèmes faiblement couplés," *RAIRO APII*, Vol. 29, 143–159, 1995.
673. M. Djemel, N. Derbel, and M. Kamoun, "On the reduction methods of linear models: Application to synchronous machine," *Journal de Physique III*, Vol. 6, 671–690, 1996.
674. E. Fridman, "Near optimum  $H^\infty$  control of linear singularly perturbed systems," *IEEE Transactions on Automatic Control*, Vol. AC-41, 236–240, 1996.
675. N. Derbel and M. Kamoun, "A third order approach for block-diagonalization of singularly perturbed systems," *RAIRO APII-JESA (Journal Europeen des Systemes Automatisés)*, Vol. 30, 9–22, 1996.
676. M. Lim, "A study on the solution of equations for decomposition of singularly perturbed systems," *Journal of Engineering Science & Technology*, Vol. 34, 37–41, 1997.

677. A. Toumi, "A well adapted approach to block-diagonalization of large scale systems," *Mathematics and Computers in Simulation*, Vol. 47, 553–570, 1998.
678. W. Su, "Sliding surface design for singularly perturbed systems," *International Journal of Control*, Vol. 72, 990–995, 1999.
679. N. Derbel, "A new decoupling algorithm of weakly coupled systems," *System Analysis, Modeling and Simulation*, Vol. 35, 359–374, 1999.
680. N. Derbel, "How to solve Lyapunov iterative equations," *Computers and Electrical Engineering*, Vol. 27, 459–474, 2001.
681. N. Ready, M. Bidani, and B. Bensassi, "Exact decomposition of multirate periodic sampled-data systems," *Systems Analysis Modeling and Simulation*, Vol. 41, 17–45, 2001.
682. M. Lim, C. Kang, and B. Kim, "Optimal control of linear nonstandard singularly perturbed discrete systems," *Dynamics of Continuous, Discrete, and Impulsive Systems*, Vol. 9, 163–174, 2002.
683. M. Djemel and N. Derbel, "Parametric sensitivity of a reduced order model based optimal control of an electric machine," *Dynamics of Continuous, Discrete, and Impulsive Systems*, Vol. 9, 279–292, 2002.
684. M. Lelic, "An overview of balancing order reduction techniques using the method of singular perturbations and new alternative techniques," *Dynamics of Continuous, Discrete, and Impulsive Systems*, Vol. 9, 293–316, 2002.
685. D. Naidu, "Singular perturbations and time scales in control theory and applications: An overview," *Dynamics of Continuous, Discrete, and Impulsive Systems*, Vol. 9, 233–278, 2002.
686. W. Assawinchaichote and S. K. Nguang,  $H_\infty$  fuzzy control design for nonlinear singularly perturbed systems with pole placement constraints: An LMI approach," *IEEE Transactions on Systems Man and Cybernetics: Part B — Cybernetics*, Vol. 34, 579–588, 2004.
687. B. Kim, Y. Kim, and M. Lim, "LQG control for nonstandard singularly perturbed discrete-time systems," *Journal of Dynamic Systems Measurement and Control — Transactions of the ASME*, vol. 126, 860–864, 2004.
688. M. J. O Reilly and E. O'Riordan, "A Shishkin mesh for a singularly perturbed Riccati equation," *Journal of Computational and Applied Mathematics*, Vol. 182, 372–387, 2005.
689. P. Balasubramanian and N. Kumarsesan, "Optimal Control of Linear Singularly Neutral Predictor-Prey Perturbed Systems," p. 210–214, in *Computational Mathematics*, (eds.) K. Thangavel and P. Balasubramanian, Narosha Publishing House, New Delhi, India, 2005.
690. S. Nguang and P. Shi, " $H_\infty$  output feedback control design for uncertain fuzzy systems with multiple time scales: An LMI approach," *European Journal of Control*, Vol. 11, 157–166, 2005.
691. W. Assawinchaichote and S. Nguang, "Fuzzy  $H_\infty$  output feedback control design for singularly perturbed systems with pole placement constraints: An LMI approach," *IEEE Transactions on Fuzzy Systems*, Vol. 14, 361–371, 2006.
692. W. Assawinchaichote, S. Nguang, and P. Shi, "Fuzzy control and filter design for uncertain fuzzy systems," *Lecture Notes in Control and Information Sciences*, Vol. 347, p. 173, 2006.
693. W. Assawinchaichote, "A new approach to non-fragile H-infinity fuzzy controller for uncertain fuzzy dynamical systems with multiple time scales," *International Journal of Signals, Systems, Control, and Applications*, Vol. 3, 49–64, 2010.
694. W. Assawinchaichote, "A non-fragile H-infinity output feedback controller for uncertain fuzzy dynamical systems with multiple time scales," *International Journal of Computer Communications, and Controls*, Vol. 7, 8–19, 2012.
- T. Hsieh and Z. Gajic**, "An algorithm for solving the singularly perturbed  $H_\infty$  algebraic Riccati equation," *Computers and Mathematics with Applications*, Vol. 36, 69–77 **1998**.
695. H. Mukaidani, T. Nitta, and Y. Dobashi, "Suboptimal guaranteed cost control of singularly perturbed uncertain systems," *Transactions of the Society of Instrument and Control Engineers*, Vol. 37, no. 4, 316–324, 2001.
- M. LELIC and Z. Gajic**, "A reference guide to PID controllers of the nineties," *Proc. IFAC Workshop on Digital Control: Past, Present and Future of PID Control*, 73–82, Terrassa, Spain, **2000**.
696. D. Vrancic, S. Strmcnik, and D. Juricic, "A magnitude optimum multiple integration tuning method for filtered PID controller," *Automatica*, Vol. 37, 1473–1479, 2001.
697. P. B de Moura Oliveira, "Design of discrete non-linear two-degree-of-freedom PID controllers using genetic algorithms," p. 320–323, in *Artificial Neural networks and Genetic Algorithms*, by V. Kurkova, N. Steele, R. Neruda, and M. Karny, Springer, 2001.
698. C. Hwang and C. Hsiao, "Solution of a non-convex optimization arising in PI/PID control design," *Automatica*, Vol. 38, 1895–1904, 2002.
699. A. O'Dwyer, "Handbook of PI and PID controller tuning rules," World Scientific Publishing Company, p. 4, 2003.
700. S. Skoczowski, S. Domek, K. Pietruszewicz, and B. Broel-Plater, "A method for improving the robustness of PID control," *IEEE Transactions on Industrial Electronics*, Vol. 52, 1669–1676, 2005.
701. L. S. Coelho and M. J. Mannala, "Sintonia de Controladores PID baseada em evolucao diferencial aplicada a automacao de ensaios em cabos condutores de energia electricka," *Learning and Nonlinear Models*, Vol. 3, 71–83, 2005.
702. M. Saeki, "Fixed structure PID controller design for standard  $H_\infty$  control problem," *Automatica*, Vol. 42, 93–100, 2006.
703. B. Kristiansson and B. Lennartson, "Robust Tuning of PI and PID Controllers," *IEEE Control Systems*, Vol. 26, 55–69, 2006.

704. T. Kawabe and T. Tagami, "A partial model matching design of robust 2-DOF PID controller for time-delay systems," *Control and Intelligent Systems*, Vol. 34, 236-242, 2006.
705. S. Skoczowski, S. Domek, and K. Pietruszewicz, "Robust PID model following control," *Control and Intelligent Systems*, Vol. 34, 186-193, 2006.
706. N. Hohenbichler and D. Abel, "Robust PID-Controller Design Meeting Pole Location and Gain/Phase Margin requirements for Time Delay Systems," *Automatisierungstechnik*, Vol. 54, 495-501, 2006.
707. J. Wang, T. Chen, and B. Huang, "FIR modelling for errors-in-variables/closed-loop systems by exploiting cyclostationarity," *International Journal of Adaptive Control and Signal Processing*, Vol. 21, 603-622, 2007.
708. A. Leva and F. Donida, "Quality indices for the autotuning of industrial regulators," *IET Control Theory and Applications*, Vol. 3, 170-180, 2009.
709. B. Lennartson and B. Kristiansson, "Evaluation and tuning of robust PID controllers," *IET Control Theory and Applications*, Vol. 3, 294-302, 2009.

**M. LIM, Z. Gajic and X. Shen**, "New methods for optimal control and filtering of singularly perturbed linear discrete stochastic systems," *Proc. American Control Conference*, 534-538, Seattle, WA, 1995.

710. H. Kando, "State estimation of stochastic singularly perturbed discrete-time systems," *Optimal Control Applications & Methods*, Vol. 18, 15-28, 1997.
711. N. Ready, M. Bidani, and B. Bensassi, "Exact decomposition of multirate periodic sampled-data systems," *Systems Analysis Modeling and Simulation*, Vol. 41, 17-45, 2001.
712. M. Bidani, N. Radhy, B. Bensassi, "Optimal control of discrete-time singularly perturbed systems," *International Journal of Control*, vol. 75, 955-966, 2002.
713. M. Aliya and E. Boukas, "H<sub>2</sub> filtering for discrete-time nonlinear singularly perturbed systems," *IEEE Transactions on Circuits and Systems:-I: Regular Papers*, Vol. 58, 1854-1864, 2011.

**M. Lim and Z. Gajic**, "Reduced-order  $H_\infty$  optimal filtering for systems with slow and fast modes," *IEEE Transactions on Circuits and Systems I: Fundamental Theory and Applications*, Vol. 47, 250-254 2000.

714. H. Mukaidani, T. Nitta, and Y. Dobashi, "Suboptimal guaranteed cost control of singularly perturbed uncertain systems," *Transactions of the Society of Instrument and Control Engineers*, Vol. 37, no. 4, 316-324, 2001.
715. Z. Wang and F. Yang, "Robust filtering for uncertain linear systems with delayed states and outputs," *IEEE Transactions on Circuits and Systems I: Fundamental Theory and Applications*, Vol. 49, 125-130, 2002.
716. H. Mukaidani, Y. Tanaka, and K. Mizukami, "Design for robust filtering of singularly perturbed uncertain systems," *Transactions of the Japan Society of Mechanical Engineers*, vol. 69, 1571-1578, 2003.
717. W. Assawinchaichote and S. K. Nguang, "H<sub>∞</sub> filtering for fuzzy singularly perturbed systems with pole placement constraints: An LMI approach," *IEEE Transactions on Signal Processing*, Vol. 52, 1659-1667, 2004.
718. S. Nguang and P. Shi, "H<sub>∞</sub> output feedback control design for uncertain fuzzy systems with multiple time scales: An LMI approach," *European Journal of Control*, Vol. 11, 157-166, 2005.
719. H. Rho, C. Hsu, and H. Kim, "A reduced-order H<sub>∞</sub> deconvolution filter design using bounded real lemma," *Signal Processing*, Vol. 86, 1688-1703, 2006.
720. K-J. Lin and T-H Li, "Stabilization of uncertain singularly perturbed systems with pole-placement constraints," *IEEE Transactions on Circuits and Systems — II: Express Briefs*, Vol. 53, 916-920, 2006.
721. W. Assawinchaichote, S. Nguang, and P. Shi, "Fuzzy control and filter design for uncertain fuzzy systems," *Lecture Notes in Control and Information Sciences*, Vol. 347, p. 173, 2006.
722. W. Assawinchaichote, S. Nguang, and P. Shi, "Robust H<sub>∞</sub> fuzzy filter design for uncertain nonlinear singularly perturbed systems with Markovian jumps: An LMI approach," *Information Sciences*, Vol. 177, 1699-1714, 2007.
723. W. Assawinchaichote and S. Nguang, "Robust H<sub>∞</sub> filter design for uncertain fuzzy descriptor systems: LMI-based design," *International Journal of Intelligent Technology*, Vol. 2, 217-222, 2007.
724. A. Tellili, M. Abdelkrim, and M. Benjereb, "Reliable H<sub>∞</sub> control of multiple time scales singularly perturbed systems with sensor failure," *International Journal of Control*, Vol. 80, 659-665, 2007.
725. H. Mukaidani, "A numerical algorithm for finding solution of sign-indefinite algebraic Riccati equations for general multiparameter singularly perturbed systems," *Applied Mathematics and Computation*, Vol. 189, 255-270, 2007.
726. J. Dong and G-H. Yang, "H<sub>∞</sub> control for fast sampling discrete-time singularly perturbed systems," *Automatica*, in Vol. 44, 1385-1393, 2008.
727. GH. Yang, and JX Dong, "H-infinity filtering for fuzzy singularly perturbed systems," *IEEE Transactions on Systems Man and Cybernetics*, Vol. 38, 1371-1389, 2008.
728. M. D. S. Aliyu and E. K. Boukas, "H<sub>∞</sub>-filtering for singularly perturbed nonlinear systems," *International Journal of Robust and Nonlinear Control*, Vol. 21, 218-236, 2011.
729. M. Aliya and E. Boukas, "H<sub>2</sub> filtering for discrete-time nonlinear singularly perturbed systems," *IEEE Transactions on Circuits and Systems:-I: Regular Papers*, Vol. 58, 1854-1864, 2011.

- M. Lim and Z. Gajic**, “Subsystem-level optimal control of weakly coupled linear stochastic systems composed of  $N$  subsystems,” *Optimal Control Applications & Methods*, Vol. 20, 93–112 **1999**.
730. W-C. Jung, Y-J. Kim, and M-T. Lim, “Design of an Optimal Controller for Congestion in ATM Networks,” *Transactions KIEE*, Vol. 54D, 359–365, 2005.
731. H. Mukaidani, H. Xu, and Y. Monden, “Numerical computation for solving algebraic Riccati equations of weakly coupled systems,” *Electrical Engineering of Japan*, Vol. 160, 39–48, 2007
732. M. Sagara, H. Mukaidani, and T. Yamamoto, “Stochastic  $H_\infty$  control problem with state-dependent noise for weakly coupled large-scale systems,” *Transactions of the Institute of Electrical Engineers of Japan*, Vol. 127, 571–578, 2007.
733. H. Mukaidani, “Numerical computation for  $H_\infty$  output feedback control for strongly coupled large-scale systems,” *Applied Mathematics and Computation*, Vol. 197, 212–227, 2008.
734. T. Li and J-F. Zhang, “Decentralized tracking-type game for multi-agent systems with coupled ARX models: Asymptotic Nash equilibria,” *Automatica*, Vol. 44, 713–725, 2008.
735. J-E Feng, J. Lam, S. Xu, and Z. Shu, “Optimal stabilizing controllers for linear discrete-time stochastic systems,” *Optimal Control Applications and Methods*, Vol. 29, 243–253, 2008.
736. M. Sagara, H. Mukaidani, and T. Yamamoto, “Efficient numerical computations of soft constrained Nash strategy for weakly coupled large-scale systems,” *Journal of Computers*, Vol. 3, 2–10, 2008.
- Lelic, D. and Z. Gajic**, “Gauss-Seidel iterations for SIR based power updates for 3G wireless CDMA communication networks,” *International Journal of Wireless Communication Networks, (Proc. Allerton Conference on Communications, Control, and Computing, 2002)* Vol. 11, 115–121, **2004**.
737. M. Guizani, (ed.), *Wireless Communication Systems and Networks*, (F. Gunnarson, “Power Control in Wireless Networks: Characteristics and Fundamentals,” p. 179–208), Plenum Press, New York, 2004.
738. K. Soo, Y. Siu, L. Zhao, L. Yang, R. Chen, and W. Chan, “Power control algorithm in CDMA systems using symmetric successive overrelaxation iteration,” *European Transactions on Telecommunications*, Vol. 16, 583–589, 2005.
- Li, X. and Z. Gajic**, “An improved SIR based power control for CDMA systems using Steffensen iterations,” *Proc. Princeton Conference on Information Sciences and Systems*, 287–290, **2002**.
739. M. Guizani, (ed.), *Wireless Communication Systems and Networks*, (F. Gunnarson, “Power Control in Wireless Networks: Characteristics and Fundamentals,” p. 179–208), Plenum Press, New York, 2004.
740. M. Olama, S. Djouadi, and C. Charalambous, “Stochastic power control for time-varying long-term fading wireless networks,” *EURASIP Journal of Applied Signal Processing*, Art. no. 89864, 2006.
- Li, X. and Z. Gajic**, “Centralized power control in coordinated CDMA systems using Krylov subspace iterations,” *Proc. of the IAASSTED International Conference on Communications, Internet, and Information Technology*, **2002**.
741. K. Soo, Y. Siu, L. Zhao, L. Yang, R. Chen, and W. Chan, “Power control algorithm in CDMA systems using symmetric successive overrelaxation iteration,” *European Transactions on Telecommunications*, Vol. 16, 583–589, 2005.
- T.Y. LI and Z. Gajic**, “Lyapunov iterations for solving coupled algebraic Riccati equations of Nash differential games and algebraic Riccati equations of zero-sum games,” pp. 332–351, *Annals of Dynamic Games (Proceedings of the Sixth International Symposium on Dynamic Games and Applications*, St. Jovite, Canada, 1994), **1995**.
742. H. Mukaidani, Y. Kobayashi, and T. Okita, “Recursive algorithm for linear quadratic Nash games for singularly perturbed systems,” *Transactions of the Society of Instrument and Control Engineers*, Vol. 35, no. 5, 630–637, 1999.
743. H. Mukaidani, Y. Kobayashi, and T. Okita, “Robust  $H_\infty$  control problem for nonstandard singularly perturbed systems via output feedback,” *Transactions of the Society of Instrument and Control Engineers*, Vol. 35, no. 10, 1273–1282, 1999.
744. A. Weeren, J. Schumacher, and J. Engwerda, “Asymptotic analysis of linear feedback Nash equilibria in non-zero sum linear-quadratic differential games,” *Journal of Optimization Theory and Applications*, Vol. 101, 693–722, 1999.
745. H. Mukaidani, Y. Kobayashi, and T. Okita, “Numerical algorithm for solving coupled algebraic equations with  $\gamma$ ,” *Transactions of Electrical Engineers of Japan*, Vol. 120–C, no. 5, 699–708, 2000.
746. H. Mukaidani, N. Tomoaki, Y. Kobayashi, and T. Okita, “Quadratic stabilization of nonstandard singularly perturbed systems via Riccati equation approach,” *Transactions of the Institute of Electrical Engineers of Japan*, Vol 120–C, no. 7, 967–976, 2000.
747. H. Mukaidani, H. Xu, and K. Mizukami, “Recursive algorithm for mixed  $H_2/H_\infty$  control problem of singularly perturbed systems,” *International Journal of Systems Science*, Vol. 31, 1299–1312, 2000.
748. S. Koskie, D. Skataric, and B. Petrovic, “Convergence proof for recursive solution of linear-quadratic Nash games for quasi-singularly perturbed systems,” *Dynamics of Continuous, Discrete, and Impulsive Systems*, Vol. 9, 317–335, 2002.
749. J. Engwerda, “Solving the scalar feedback Nash algebraic Riccati equations: An eigenvector approach,” *IEEE Transactions on Automatic Control*, Vol. 48, 847–852, 2003.
750. L. Petrosyan and D. Yeung, *ICM Milenium Lectrures on Games*, p. 370, Springer, 2003.

751. H. Mukaidani, T. Shimomura, and H. Xu, "Numerical computation of cross-coupled algebraic Riccati equations related to  $H_2/H_\infty$  control problem for singularly perturbed systems," *International Journal of Robust and Nonlinear Control*, Vol. 14, 697–717, 2004.
752. C. Zhang, "Block-pulse functions method for Nash equilibrium strategies of time-varying linear-quadratic Nash games and its applications to mixed  $H_2/H_\infty$  control problem," *Advances in Modeling and Analysis C*, vol. 59, 1–17, 2004.
753. H. Mukaidani and H. Xu, "Recursive computation of Nash strategy for multiparameter singularly perturbed systems," *Dynamics of Continuous Discrete and Impulsive Systems B: Algorithms and Applications*, Vol. 11, 673–700, 2004.
754. H. Mukaidani, "A new design approach for solving linear quadratic Nash games of multiparameter singularly perturbed systems," *IEEE Transactions on Circuits and Systems: I Fundamental Theory and Applications*, Vol. 52, 960–974, 2005.
755. H. Mukaidani, H. Xu, and K. Mizukami, "Numerical Algorithm for Solving Cross-Coupled Algebraic Riccati equations of Singularly Perturbed Systems," *Annals of Dynamic Games*, Vol. 7, 545–570, 2005.
756. H. Mukaidani, "Nash games for multiparameter singularly perturbed systems with unknown small singular perturbation parameter," *IEEE Transactions on Circuits and Systems-II: Express Briefs*, Vol. 52, 586–590, 2005.
757. J. Engwerda, *LQ Dynamic Optimization and Differential Games*, Wiley, Hoboken, NJ, p. 490, 2005.
758. H. Mukaidani, "Optimal numerical strategy for Nash games of weakly coupled large-scale systems," *Dynamics of Continuous, Discrete, and Impulsive Systems*, vol. 13, 249–268, 2006.
759. J. Engwerda, "A numerical algorithm to find soft-constrained Nash equilibria in scalar LQ-games," *International Journal of Control*, Vol. 79, 592–603, 2006.
760. H. Mukaidani, "Local uniqueness for Nash solutions of multiparameter singularly perturbed systems," *IEEE Transactions on Circuits and Systems-II: Express Briefs*, Vol. 53, 1103–1107, 2006.
761. J. Engwerda, "Algorithms for computing Nash equilibria in deterministic LQ games," *Computational Management Science*, Vol. 4, 113–140, 2007.
762. H. Mukaidani, "Numerical computation of sign-indefinite linear quadratic differential games for weakly coupled linear large-scale systems," *International Journal of Control*, Vol. 80, 75–86, 2007.
763. JSH. Tsai, Z-Y. Yang, S-M, Guo, L-S. Shieh, and C-W. Chen, "Linear-Quadratic Nash game-based tracker for multiparameter singularly perturbed sampled-data systems: digital redesign approach," *International Journal of General Systems*, Vol. 36, 643–672, 2007.
764. I. Ivanov and B. Lomev, "Equilibrium in stochastic Nash games with state-dependent noise via Lyapunov-type iterations," *HERMES Journal*, Vol. 11, 92–927, 2009.
765. G. Hudas, K.G. Vamavoudakis, D. Mikulski, and F. Lewis, "On line adaptive learning for team strategies in multi-agent systems," *Journal of Defense Modeling and Simulation: Methodology, Technology*, Vol. 9, 59–69, 2012.
766. H. Mukaidani and V. Dragan, "Numerical Computation for solving cross-coupled large-scale singularly perturbed stochastic algebraic Riccati equation," Nova Scoria Publishers, 407–424, 2011.
767. K. Vamvoudakis and F. Lewis, "Multi-player non-zero sum games: on line adaptive learning solution of coupled Hamilton-Jacobi equation," *Automatica*, Vol. 47, 1556–1569, 2011.
768. A. F. de Loza, M. Jamenez-Lizarrago, and L. Fridman, "Robust output Nash strategies based on sliding mode observation in a two-player differential game," *Journal of the Franklin Institute*, in press, 2011.
- H. KHALIL and Z. Gajic**, "Near-optimum regulators for stochastic linear singularly perturbed systems," *IEEE Transactions on Automatic Control*, Vol. AC-29, 531–541, 1984.
769. P. Kokotovic, "Applications of singular perturbation techniques to control problems," *SIAM Review*, Vol. 26, 501–550, 1984.
770. V. Saksena, O'Reilly, and P. Kokotovic, "Singular perturbations and time-scale methods in control theory: Survey 1976–1983," *Automatica*, Vol. 20, 273–293, 1984.
771. P. Kokotovic, "Recent trends in feedback design: An overview," *Automatica*, Vol. 21, 225–236, 1985.
772. P. Kokotovic, H. Khalil, and J. O'Reilly, *Singular Perturbation Methods in Control: Analysis and Design*, Academic Press, Orlando FL, pp. 347, 1986.
773. G. Ladde and O. Sirisaengtaksin, "Multitime-scale singularly perturbed linear stochastic systems," *Stochastic Analysis and Applications*, Vol. 2, 213–238, 1986.
774. H. Oloomi and M. Sawan, "The observer-based controller design of discrete-time singularly perturbed systems," *IEEE Transactions on Automatic Control*, Vol. AC-32, 246–248, 1987.
775. P. Kokotovic, A. Bensoussan, and G. Blankenship, *Singular Perturbations and Asymptotic Analysis in Control Systems*, Springer Verlag, *Lecture Notes in Control and Information Sciences*, Vol. 90, 1–49, 1987.
776. D. Moerder and A. Calise, "Near-optimal output feedback regulation of ill-conditioned linear systems," *IEEE Transactions on Automatic Control*, Vol. 33, 463–466, 1988.
777. D. Naidu, *Singular Perturbation Methodology in Control Systems*, IEE Press, London, pp. 15, 1988.
778. W. Luse and J. Ball, "Frequency-scale decomposition of H-infinity disk problems," *SIAM Journal on Control and Optimization*, Vol. 27, 814–835, 1989.

779. V. Kolmanovskii and G. Kolosov, "Approximate and numerical methods for synthesis of optimal control of stochastic systems," *Soviet Journal of Computer and Systems Sciences*, Vol. 28, 140–153, 1990.
780. V. Kolmanovskii and G. Kolosov, "Approximate and numerical methods of the optimal control synthesis for stochastic systems," in *Modelling and Inverse Problems of Control of Distributed Parameter Systems*, Kurzahanski and I. Lasiecka (Eds.), Springer Verlag, *Lecture Notes in Control and Information Sciences*, Vol. 154, pp. 80, 1991.
781. X. Shen M. Rao, and Y. Ying, "Decomposition method for solving Kalman filter gains in singularly perturbed systems," *Optimal Control Applications & Methods*, Vol. 14, 67–73, 1993.
782. H. Mukaidani and K. Mizukami, "The recursive algorithm of linear quadratic Gaussian (LQG) problems for nonstandard singularly perturbed systems," *Transactions of Electrical Engineers of Japan*, Vol. 116–C, no. 12, 1382–1389, 1996.
783. H. Kando, "State estimation of stochastic singularly perturbed discrete-time systems," *Optimal Control Applications & Methods*, Vol. 18, 15–28, 1997.
784. A. Halanayi and I. Ursu, "An extended mathematical model for active vehicle suspension systems. Part I: A detailed LQG approach," *Revue Roumaine des Sciences Techniques-Mecanique Appliquee*, Vol. 42, 297–308, 1997.
785. G. Garcia, J. Dafouz, and J. Bernussou, " $H_2$  Guaranteed cost control for singularly perturbed uncertain systems," *IEEE Transaction on Automatic Control*, Vol. 43, 1323–1329, 1998.
786. J. Braslavsky, M. Seron, D. Mayne, and P. Kokotovic, "Limiting performance of optimal linear filters," *Automatica*, Vol. 35, 189–199, 1999.
787. M. Lim, "A novel approach for LQG control of singularly perturbed continuous stochastic systems," *Journal of Electrical Engineering and Information Science*, Vol. 4, 159–164, 1999.
788. C. Yu, J. Leotard, and M. Ilic, "Dynamics of transmission provision in a competitive power industry," *Discrete Event Dynamic Systems — Theory and Applications*, Vol. 9, 351–388, 1999.
789. J. Daafouz, G. Garcia, and J. Bernussou, "Robustness for singularly perturbed systems:  $H_2$  guaranteed cost and output feedback," *Journal European des Sysemas Automatisees*, vol. 33, 855–874, 1999.
790. M. Ilic and P. Skantze, "Electric power systems operation by decision and control: The case revisited," *IEEE Control Systems*, Vol. 20, 25–39, 2000.
791. D. Naidu and A. Calise, "Singular Perturbations and Time Scales in Guidance and Control of Aerospace Systems: A Survey," *Journal of Guidance, Control and Dynamics*, Vol. 24, 1057–1078, 2001.
792. D. Naidu, "Singular perturbations and time scales in control theory and applications: An overview," *Dynamics of Continuous, Discrete, and Impulsive Systems*, Vol. 9, 233–278, 2002.
793. W. Assawinchaichote and S. K. Nguang, " $H_\infty$  filtering for fuzzy singularly perturbed systems with pole placement constraints: An LMI approach," *IEEE Transactions on Signal Processing*, Vol. 52, 1659–1667, 2004.
794. S. Nguang and P. Shi, " $H_\infty$  output feedback control design for uncertain fuzzy systems with multiple time scales: An LMI approach," *European Journal of Control*, Vol. 11, 157–166, 2005.
795. W. Assawinchaichote, S. Nguang, and P. Shi, "Fuzzy control and filter design for uncertain fuzzy systems," *Lecture Notes in Control and Information Sciences*, Vol. 347, p. 175, 2006.
796. W. Assawinchaichote, S. Nguang, and P. Shi, "Robust  $H_\infty$  fuzzy filter design for uncertain nonlinear singularly perturbed systems with Markovian jumps: An LMI approach," *Information Sciences*, Vol. 177, 1699–1714, 2007.
797. M. Ilic, "From Hierarchical to Open Access Electric Power Systems," *Proceedings of the IEEE*, vol. 95, 1060–1084, 2007.
798. S. A. Akbar, A. K. Singh, and K. B. Data, "Study of response and robustness measures of mixed  $H_2/H_\infty$  LQG and  $H_\infty$  controllers for continuous-time singularly perturbed systems," *Elektrika*, Vol. 11, 7–15, 2009.
799. S. A. Akbar, A. K. Singh, and K. B. Datta, "Mixed  $H_2/H_\infty$  control of continuous-time singularly perturbed system — Gain independent feedback computation," *ARISER*, Vol. 5, 99–108, 2009.
800. K. B. Data and A. Raichardhuri, " $H_2/H_\infty$  control of singularly perturbed systems: The state feedback case," *European Journal of Control*, Vol. 16, 54–60, 2010.
801. M. G. Moghadam and M. T. H. Beheshti, "On output feedback multiobjective control for singularly perturbed systems," *Mathematical Problems in Engineering*, Article ID 903126, Vol. 2011.
802. V. Dragan, H. Mukaidani, and P. Shi, "The linear quadratic regulator problem for a class of controlled systems modeled by singularly perturbed Ito differential equations," *SIAM Journal of Control and Optimization*, in press, 2011.
- V. KECMAN, S. Bingulac, and Z. Gajic**, "Eigenvector approach for order reduction of singularly perturbed linear-quadratic optimal control problems," *Automatica*, Vol. 35, 151–158, 1999.
803. E. Fridman, "Exact slow-fast decomposition of nonlinear singularly perturbed optimal control problem," *Systems & Control Letters*, Vol. 40, 121–131, 2000.
804. D. Naidu and A. Calise, "Singular Perturbations and Time Scales in Guidance and Control of Aerospace Systems: A Survey," *Journal of Guidance, Control and Dynamics*, Vol. 24, 1057–1078, 2001.
805. N. Ready, M. Bidani, and B. Bensassi, "Exact decomposition of multirate periodic sampled-data systems," *Systems Analysis Modeling and Simulation*, Vol. 41, 17–45, 2001.
806. M. Lelic, "An overview of balancing order reduction techniques using the method of singular perturbations and new alternative techniques," *Dynamics of Continuous, Discrete, and Impulsive Systems*, Vol. 9, 293–316, 2002.

807. D. Naidu, "Singular perturbations and time scales in control theory and applications: An overview," *Dynamics of Continuous, Discrete, and Impulsive Systems*, Vol. 9, 233–278, 2002.
808. M. Bidani, N. Radhy, B. Bensassi, "Optimal control of discrete-time singularly perturbed systems," *International Journal of Control*, vol. 75, 955–966, 2002.
809. H.P. Liu, F.C. Sun, and K.Z. He, "Survey of singularly perturbed control systems: theory and applications," *Control Theory and Applications*, vol. 20, 1–7, 2003.
810. H. Mukaidani, Y. Tanaka, and K. Mizukami, "Design for robust filtering of singularly perturbed undertain systems," *Transactions of the Japan Society of Mechanical Engineers*, vol. 69, 1571–1578, 2003.
811. H. Mukaidani, "Numerical computation for  $H_2$  state feedback control of large scale systems," *Dynamics of Continuous Discrete and Impulsive Systems*, Vol. 12, 281–296, 2005.
812. B. Zhang, G. Tang, and D. Gao, "Optimal deterministic disturbance rejection for singularly perturbed linear systems," *Journal of Systems Engineering and Electronics*, Vol. 17, 824–828, 2006.
813. B. Zhang, G. Tang, and Y. Zhao, "Optimal disturbance rejection control for singularly perturbed systems with time-delay," *High Technology Letters*, Vol. 14, 40–44, 2008.
- V. Kecman and Z. Gajic**, "Optimal control and filtering for nonstandard singularly perturbed linear systems", *Journal of Guidance, Control, and Dynamics*, Vol. 22, 362–365, **1999**.
814. M. Lim, C. Kang, and B. Kim, "Optimal control of linear nonstandard singularly perturbed discrete systems," *Dynamics of Continuous, Discrete, and Impulsive Systems*, Vol. 9, 163–174, 2002.
815. D. Naidu, "Singular perturbations and time scales in control theory and applications: An overview," *Dynamics of Continuous, Discrete, and Impulsive Systems*, Vol. 9, 233–278, 2002.
816. H.P. Liu, F.C. Sun, and K.Z. He, "Survey of singularly perturbed control systems: theory and applications," *Control Theory and Applications*, vol. 20, 1–7, 2003.
817. V. Glizer, "Controllability of nonstandard singularly perturbed systems with small state delay," *IEEE Transactions on Automatic Control*, Vol. 48, 1280–1285, 2003.
818. V. Glizer, "On stabilization of nonstandard singularly perturbed systems with small delays in state and control," *IEEE Transactions on Automatic Control*, Vol. 49, 1012–1016, 2004.
819. V. Glizer, " $L_2$  stabilizability of nonstandard singularly perturbed systems with small delays in state and control," vol. 6, 10–22, 2004.
820. B. Kim, Y. Kim, and M. Lim, "LQG control for nonstandard singularly perturbed discrete-time systems," *Journal of Dynamic Systems Measurement and Control — Transactions of the ASME*, vol. 126, 860–864, 2004.
821. N. Zhong, M. Sun, and Y. Zou, "Convergence of singularly perturbed control systems in distributional technology," *Dynamics of Continuous Discrete and Impulsive Systems Series A: Mathematical Analysis*, Vol. 15, 317–332, 2008.
- S. KOSKIE and Z. Gajic**, "A Nash game algorithm for SIR-based power control in 3G wireless CDMA networks," *IEEE/ACM Transactions on Networking*, Vol. 13, 1017–1026, **2005**.
822. D. Babajee and M. Dauhoo, "An analysis of the properties of the varriants of Newton's method with third order convergence," *Applied Mathematics and Computation*, Vol. 183, 659–684, 2006.
823. M. Shubert and H. Boche, *QoS Based Resource Allocation and Transceiever Optimization*, Now Publishers Inc., MA, p. 145, 2006.
824. L. Pavel, "An extention of duality to a game-theoretic framework," *Automatica*, Vol. 43, 226–237, 2007.
825. D. Niyato and E. Hossian, "Radio resorce management games in wireless networks: An approach to bandwith allocation and admission control for polling service in IEEE 802.16," *IEEE Wireless Communications*, Vol. 14, 27–35, 2007.
826. F. Meshkati, V. Poor, and S. Schwartz, "Energy-efficient resource allocation in wireless networks," *IEEE Signal Processing*, Vol. 24, 58–68, 2007.
827. C. Long, Q. Zhang, B. Li, H. Yang, and X. Guan, "Non-cooperative powercontrol for wireless ad hoc networks with repeated games," *IEEE Journal of Selected Areas in Communications*, Vol. 25, 1101–1112, 2007.
828. S. Glisic, *Advanced Wireless Communications: 4G Cognitive and Cooperative Broadband Technologies*, Wiley-Interscience, 2nd edition, pp. 851, 2007.
829. S-L. Cheng, Z. Yang, and H. Zhang, "Novel power control game algorithm for cognitive radios," *Journal on Communication*, Vol. 28, 100–107, 2007.
830. L. Chisci, R. Fantacci, L. Mucchi, and T. Pecorella, "A queue based approach to power control in wireless communication networks," *IEEE Transactions on Wireless Communications*, Vol. 7, 128–134, 2008.
831. D. Niyato and E. Hossain, "A noncooperative game-theoretic framework for radio resource management in 4G heterogeneous wireless access networks," *IEEE Transactions on Mobile Computing*, Vol. 7, 332–345, 2008.
832. D. Niyato and E. Hossain, "Competitive pricing for spectrum sharing in cognitive radio networks: Dynamic game, inefficiency of Nash equilibrium, and collusion," *IEEE Journal on Selected Areas in Communications*, Vol. 26, 192–202, 2008.

833. G. Bacci, M. Luise, and V. Poor, "Game theory and power control in ultrawideband networks," *Physical Communication*, Vol. 1, 21–39, 2008.
834. S. Cheng, Z. Yang, and H. Zhang, "Adaptive Modulation and Power Control for Throughput Enhancement in Cognitive Radios," *Journal of Electronics (China)*, Vol. 25, 65–69, 2008.
835. S. Cheng and Z. Yang, "Novel power control game via pricing algorithm for cognitive radios," *Journal of Electronics (China)*, Vol. 25, 761–767, 2008.
836. H. Boche and M. Schubert, "A superlinearity of globally convergent algorithm for power control and resource allocation with general interference functions," *IEEE/ACM Transactions on Networking*, Vol. 16, 383–395, 2008.
837. C. K. Tan, M. L. Sim, and T. C. Chuah, "Game theoretic approach for channel assignment and power control with no-internal-regret learning in wireless ad hoc networks," *IET Communications*, vol. 2, 1159–1169, 2008.
838. S-L. Cheng and Z. Yang, "Cross-layer combining power control and adaptive modulation with truncated ARQ for cognitive radios," *Journal of China Universities of Posts and Telecommunications*, Vol. 15, 19–23, 2008.
839. S-L. Cheng and Z. Yang, "Adaptive power control algorithm based on SIR in cognitive radios," *Journal of Electronics and Information Technology*, Vol. 30, 59–62, 2008.
840. D-X. Yu, Y-M. Cai, and W. Zhong, "Novel distributed power control algorithm in CDMA: A game theoretic approach," *Journal of Electronics and Information Technology*, Vol. 30, 443–446, 2008.
841. Z. Lu, X-M. Gu, S-Z. Li, and N-Q. Liu, "Novel distributive rate and power control algorithm on joint game theoretic approach," *Journal of Jilin University*, Vol. 38, 231–236, 2008.
842. D. Niyato and E. Hossain, "Competitive spectrum sharing in cognitive radio networks: A dynamic game approach," *IEEE Transactions on Wireless Communications*, Vol. 7, 2651–2660, 2008.
843. Y. Pan and L. Pavel, "A Nash game approach for OSNR optimization with capacity constraint in optical links," *IEEE Transactions on Communications*, Vol. 56, 1919–1928, 2008.
844. D. Niyato and E. Hossain, "Market-equilibrium, competitive, and cooperative pricing for spectrum sharing in cognitive radio networks: analysis and comparison," *IEEE Transactions on Wireless Communications*, Vol. 7, 4273–4283, 2008.
845. J. Feng, X-M. Luo, and J-P Luo, "A power control algorithm based on non-cooperative game in cognitive radio," *Communication and Network*, Vol. 4, 110–114, 2008.
846. J. Zheng and M. Ma, "A utility-based joint power control and rate adaptive algorithm in wireless ad hoc networks," *IEEE Transactions on Communications*, Vol. 57, 134–140, 2009.
847. C. Tan, D. Palomar, and M. Chiang, "Energy — robustness tradeoff in cellular network power control," *IEEE/ACM Transactions on Networking*, Vol. 17, 912–925, 2009.
848. N. Zhao, Z. Wu, Y. Zhao, and T. Quan, "Robust  $H_\infty$  power control for CDMA systems in user-centric and network-centric manners," *ETRI Journal*, Vol. 31, 399–407, 2009.
849. E. Hossain, D. Niyato, Z. Han, *Dynamic Spectrum Access and Management in Cognitive Radio Networks*, p. 447, Cambridge University Press, 2009.
850. V. Chandrasekhar, J. Andrews, T. Muhamerovic, Z. Shen, and A. Ganther, "Power control in two-tier femtocell networks," *IEEE Transactions on Wireless Communications*, Vol. 8, 4316–4328, 2009.
851. H. Boche and M. Schubert, "Perron-root minimization for interference-coupled systems with adaptive receive strategies," *IEEE Transactions on Communications*, Vol. 57, 3164–3173, 2009.
852. H. Zhang, X.D. Xu, J.Y. Li, X.F. Tao, P. Zhang, T. Svemsson, and C. Bottela, "Multicell power allocation method based on game theory for inter-cell interference coordination," *Science in China Series F — Information Sciences*, Vol. 52, 2378–2384, 2009.
853. C-L. Zhao, P. Li, and T. Jiang, "A power control algorithm with faster convergence for cognitive radio," *Journal of Beijing University of Posts and Telecommunications*, Vol. 32, 73–76, 2009.
854. C-G. Yang and J-D. Li, "Power control method based on Nash bargaining solution for cognitive radio networks," *Journal of Beijing University of Posts and Telecommunications*, Vol. 32, 77–81, 2009.
855. S. Tang and M. Chen, "Improved genetic algorithm based cross-layer power allocation scheme in multicast systems with multi-service," *Journal of Southeast University (China)*, Vol. 39, 211–215, 2009.
856. C-G. yang, J-D. Li, W-Y. Li, and D. Chen, "Power allocation based on noncooperative game theory in cognitive radio," *Journal of Xidian University*, Vol. 36, 1–4, 2009.
857. L. Zhang, X-W. Zhou, J-P. Wang, W. Huang, Z-G. Ma, "Power control algorithm based on differential game for CR system," *Journal of Electronics and Information Technology*, Vol. 32, 141–145, 2010.
858. MR. Musku, AT. Chronopoulos, and DC. Popescu, "A game-theoretic approach to joint rate and power control for up link CDMA communications," *IEEE Transactions on Communications*, Vol. 58, 923–932, 2010.
859. S. Kucera, S. Assa, S. Yoshida, "Adaptive channel allocation for enabling target SINR achievability in power-controlled wireless networks," *IEEE Transactions on Wireless Communications*, Vol. 9, 833–843, 2010.
860. C-G Yang, J-D. Li, and Z. Tian, "Optimal power control for cognitive radio networks under coupled interference constraints: A cooperative game-theoretic perspective," *IEEE Transactions on Vehicular Technology*, Vol. 59, 1696–1706, 2010.
861. P. Gao, D-X. Meng, N. Cheng, S-C. Liang, and G-F. Tu, "Non-cooperative power control game for adaptive modulation and coding," *Journal of China Universities of Posts and Telecommunications*, Vol. 17, 31–37, 2010.

862. T-K. Zhang, L. Xiao, Z-M. Zeng, and L. Cuthbert, "Multi-cell uplink power allocation game for user minimum performance guarantee in OFDA systems," *Journal of China Universities of Posts and Telecommunications*, Vol. 17, no. 5, 6–11, 2010.
863. P. Gao, L. Zhang, S. Fan, W. Huang, Q. Wu, and Y. Deng, "On the performance of distributed N-cooperation power allocation via differential game in cognitive radio system, "Non-cooperative power control game for adaptive modulation and coding," Vol. 6221, *Wireless Algorithms, Systems, and Applications, Lecture Notes in Computer Science*, Vol. 6221, 90–94, 2010.
864. A. Ghasemi and K. Faez, "A non-cooperative game approach for power-aware MAC in ad hoc wireless networks," *Computer Communications*, Vol. 33, 1440–1451, 2010.
865. S. Stanczak, A. Festel, M. Wiczanowski, and H. Boche, "Utility-based power control with QoS support," *Wireless Networks*, Vol. 16, 1691–1705, 2010.
866. G. Bacci and M. Kuise, "Game theory in wireless communications with an application to signal synchronization," *Advances in Electronics and Telecommunications*, Vol. 1, 86–97, 2010.
867. M-X. Li, S-Z. Chen, D-L. Xie, B. Hu, and Y. Shi, "Resource allocation and admission control based on non-cooperative game in heterogenous wireless networks," *Journal of Software*, Vol. 21, 2037–2049, 2010.
868. A. Festel, S. Stanczak, and D. Tomecki, "Joint utility-based power control and receive beamforming in decentralized wireless networks," *EUROSIP Journal of Wireless Communications and Networking*, Article Number 751893, 2010.
869. Z. Wu, N. Zhao, G. Ren, and T. Quan, "Anti-interference strategies review of unified spread spectrum telemetry tracking and control system," *Information Technology Journal*, Vol. 9, 979–983, 2010.
870. Z. Marantz, P. Orenstein, and D. Goodman, "A power control based admission algorithm for maximizing throughput in a CDMA network," *Wireless Personal Communications*, Vol. 59, 741–764, 2011.
871. J. Luna-Rivera and D. Campos-Delgado, "Distributed power control algorithms for asynchronous CDMA systems in frequency-selective fading channels," *Wireless Networks*, Vol. 17, 453–464, 2011.
872. K. Akkarajista, E. Hossian, D. Niyato, and D. I. Kim, "Game theoretic approaches for multiple access in wireless networks: A Survey," *IEEE Communications Surveys and Tutorials*, Vol. 13, 372–395, 2011.
873. N. Boche, S. Naik, and M. Shubert, "Pareto boundary of unity sets for multiuser wireless systems," *IEEE/ACM Transactions on Networking*, Vol. 19, 589–601, 2011.
874. N. Zhao and H. Sun, "Robust power control for cognitive radio in spectrum underlay networks," *KSII Transactions on Internet and Information Systems*, Vol. Vol. 5, 1214–1229, 2011.
875. H. Boche, S. Naik, and T. Aplan, "Characterization of convex and concave allocation problems in interference coupled wireless systems," *IEEE Transactions on Signal Processing*, Vol. 59, 2382–2394, 2011.
876. V. Rodrigez, F. Jondal, and R. Mathar, "Decoupled power allocation through pricing on a CDMA reverse link shared by energy constrained and energy sufficient data terminals," *Mobile Networks and Applications*, Vol. 16, 640–660, 2011.
877. F. Li, X. Tan, and L. Wang, "A new game algorithm for powercontrol in cognitive radio networks," *IEEE Transactions on Vehicular technology*, Vol. 60, 4384–4391, 2011.
878. GW. Wu, JK. Ren, F. Xia, L. Yao, ZC. Xu, PF. Shang, "A game theoretic approach to interuser interference reduction in body sensor networks," *International Journal of Distributed Sensor Networks*, DOI 10.1155/2011/329524, 2011.
879. X. Zhang, Y. Zhang, Y. Shi, L. Zhao, and C. Zou, "Power control algorithm cognitive radio system based on modified Shuffled Frog Leaping algorithm," *International Journal of Electronics and Communications*, in press, 2011.

**S. Koskie and Z. Gajic**, "Optimal SIR based power control in 3G wireless CDMA networks," *Proceedings of American Control Conference*, 957–962, Denver, **2003**., also *International Journal of Information and Systems Sciences*, Vol. 1, 1–18, **2007**

880. S-O. Choi and K-H. You, "Channel Adaptive Power Control in the Uplink of CDMA Systems," *Wireless Personal Communications*, Vol. 47, 441–448, 2008.
881. T. Olwal, K. Djouani, B. van Wyk, Y. Hamam, P. Siarry, and N. Tlatlapa, "A multiple-state based power control for multi-radio multi-channel wireless mesh networks," *International Journal of Computer Science*, Vol. 4, 53–61, 2009.
882. T. Olwal, B. van Wyk, K. Djouani, Y. Hamam, P. Siarry, and N. Ntlatlapa, "Autonomous transmission power adaptation for multi-radio multi-channel wireless mesh networks," *Lecture Notes in Computer Science*, Vol. 5793, 284–297, 2009.
883. T. Olwal, K. Djouani, B. van Wyk, Y. Hamam, and P. Siarry, "A multi-radio multi-channel unification power control for wireless mesh networks," *International Journal of Computer Science*, Vol. 5, 38–50, 2010.
884. T. O. Olwal, B. J. Van Wyk, and N. Ntlatlapa, "Dynamic power control for wireless backbone mesh networks: A survey," *Network Protocols and Algorithms*, Vol. 2, 1–44, 2010.

**S. Koskie and Z. Gajic**, "Newton iteration acceleration of the Nash game algorithm for power control in 3G wireless CDMA networks," *Proceedings of ITCOM*, 115–121, Orlando, **2003**.

885. D. Babajee and M. Dauhoo, "An analysis of the properties of the variants of Newton's method with third order convergence," *Applied Mathematics and Computation*, Vol. 183, 659–684, 2006.
886. H. Boche and M. Schubert, "A superlinearity of globally convergent algorithm for power control and resource allocation with general interference functions," *IEEE/ACM Transactions on Networking*, Vol. 16, 383–395, 2008.

- S. Koskie and Z. Gajic**, "Signal-to-interference-based power control in wireless networks: A Survey 1992–2005," *Dynamics of Continuous, Discrete and Impulsive Systems: Series B, Applications and Algorithms*, invited paper, Vol. 13, 187–220, **2006**.
887. M. Shubert and H. Buche, *QoS-Base Resource Allocation and Transceiver Optimization*, Series in Fundamentals & Trends in Communications and Information Theory, Now Publisher Inc., MA, p. 145, 2006.
888. H. Boche and M. Schubert, "The structure of general interference functions and applications," *IEEE Transactions on Information Theory*, Vol. 54, 4980–4990, 2008.
889. H. Boche and M. Schubert, "A calculus for log-convex interference functions," *IEEE Transactions on Information Theory*, Vol. 54, 5469–5490, 2008.
890. H. Ren and Q-H. Meng, "Game-theoretic modeling of joint topology control and power scheduling for wireless heterogeneous sensor networks," *IEEE Transactions on Automation Science and Engineering*, Vol. 6, 610–625, 2009.
891. H. Ren and Q-H. Meng, "Power adaptive linearization algorithm for wireless sensor networks using particle filter," *IEEE Transactions on Vehicular Technology*, Vol. 58, 2498–2508, 2009.
892. H. Boche and M. Schubert, "Perron-root minimization for interference-coupled systems with adaptive receive strategies," *IEEE Transactions on Communications*, Vol. 57, 3164–3173, 2009.
893. W. Zirwas, W. Mennerich, M. Schubert, L. Thiele, V. Jungickel, and E. Schulz, "Cooperative Transmission Schemes," Chapter 7, p. 214–262, in *Long Term Evolution: 3GPP LTE Radio and Cellular Technology*, (eds.) B. Furht and S. Ahson, CRC Press, 2009.
894. S. C. Chai, G. P. Liu, K. Malhotra, and D. Rees, "Networked predictive control over GPRS wireless networks," *Dynamics of Continuous Discrete and Impulsive Systems Series B: Applications and Algorithms*, Vol. 16, 589–606, 2009.
895. H. Boche and H. Schubert, "A unifying approach to interference modeling for wireless networks," *IEEE Transactions on Signal Processing*, Vol. 58, 3282–3297, 2010.
896. S. M. Mahdi Alavi, M. Walsh, and M. Hayes, "Robust power control for IEEE 802.15.4 wireless sensor networks with round-trip time-delay uncertainty," *Wireless Communications and Mobile Computing*, Vol. 10, 811–825, 2010.
897. Z. Wu, N. Zhao, G. ren, and T. Quan, "Anti-interference strategies review of unified spread spectrum telemetry tracking and control system," *Information Technology Journal*, Vol. 9, 979–983, 2010.
898. T. O. Olwal, B. J. Van Wyk, and N. Ntlatlapa, "Dynamic power control for wireless backbone mesh networks: A survey," *Network Protocols and Algorithms*, Vol. 2, 1–44, 2010.
899. M. Walsh, A. Fee, T. Barton, B. O'Flynn, M. Hayes, and C. O'Mathuna, "On localization with robust power control for safety critical wireless sensor networks," *Journal of Control Theory and Applications*, Vol. 83–92, 2011.
900. V. G. Doures and G. C. Polyzas, "Review of some fundamental approaches for power control in wireless networks," *Computer Communications*, Vol. 34, 1580–1592, 2011.
- Z. Gajic and S. Koskie**, "SIR-Based Power Control Algorithms for Wireless Networks: An Overview," *Proc. The 3rd International DCDIS Conference on Engineering Applications and Computational Algorithms*, 286–293, Guelph, Ontario, Canada, May **2003**.
901. H. Boche and M. Schubert, "Perron-root minimization for interference-coupled systems with adaptive receive strategies," *IEEE Transactions on Communications*, Vol. 57, 3164–3173, 2009.
- N. HARKARA, D. Petkovski, and Z. Gajic**, "The recursive algorithm for the optimal static output feedback control problem of linear weakly coupled systems," *International Journal of Control*, Vol. 51, 1–11, **1989**.
902. B. Novakovic, *Metode Vodenja Tehnickih Sistema*, Skolska Knjiga, Zagreb, Croatia, pp. 537, 1990.
903. D. Naidu, "Singular perturbations and time scales in control theory and applications: An overview," *Dynamics of Continuous, Discrete, and Impulsive Systems*, Vol. 9, 233–278, 2002.
904. D. Skataric, *Optimal Control of Quasi Singularly Perturbed and Weakly Coupled Systems*, Planeta Press, Belgrade, 2005.
- T. NGUYEN and Z. Gajic**, "Finite horizon optimal control of singularly perturbed linear systems: A differential Lyapunov equation approach," *IEEE Transactions on Automatic Control*, Vol. 55, 2148–2152, **2010**.
905. R. Vrabel, V. Liska, and I. Mankova, "Boundary layer analysis for nonlinear singularly perturbed differential equations," *Electronic Journal of Quantitative Theory of Differential Equations*, Issue 32, 1–11, 2011.
906. F-H. Hsia, "Robustness design of fuzzy controllers for nonlinear multiple time-delay singularly perturbed systems: using dither as auxiliary," *International Journal of System Science*, in press, 2011.
- T. Nguyen and Z. Gajic**, "Solving the matrix differential Riccati equation: a Lyapunov equation approach," *IEEE Transactions on Automatic Control*, Vol. 55, 191–194, **2010**.
907. V. Radisavljevic, "Improved Potter-Anderson-Moore algorithm for the differential Riccati equation," *Applied Mathematics and Computation*, Vol. 218, 4641–4646, 2011.

- T. Nguyen, W. Su, and Z. Gajic**, "Singular perturbation analysis of discrete-time output feedback sliding mode control with disturbance attenuation," *American Control Conference*, St. Louis, Missouri, 757–762, June 2009.
908. Q. Xu and Y. Li, "Micro/nano positioning using model predictive output integral discrete sliding mode control," *IEEE Transactions on Industrial Electronics*, Vol. 59, 1161–1171, 2012.
- B. PETROVIC and Z. Gajic**, "The recursive solution of linear quadratic Nash games for weakly interconnected systems," *Journal on Optimization Theory and Applications*, Vol. 56, 463–477, 1988.
909. D. Siljak, *Decentralized Control of Complex Systems*, Academic Press, Boston, MA, pp. 412, 1991.
910. K. Mizukami and F. Suzumura, "Closed-loop Stackelberg strategies for singularly perturbed systems: the recursive approach," *International Journal of Systems Science*, Vol. 24, 887–900, 1993.
911. A. Weeren, J. Schumacher, and J. Engwerda, "Asymptotic analysis of linear feedback Nash equilibria in non-zero sum linear-quadratic differential games," *Journal of Optimization Theory and Applications*, Vol. 101, 693–722, 1999.
912. M. Huang, R. Malhame, and P. Caines, "Nash equilibria for large-population linear stochastic systems of weakly coupled agents," in *Analysis, Control, and Optimization of Complex Systems*, E. Boukas and R. Malhame (eds.), Kluwer, p. 217, May 2005.
913. X-H. Nian, "Suboptimal strategies of linear quadratic closed-loop differential games: An BMI approach," *Acta Automatica Sinica*, vol. 31, 216–222, 2005.
914. H. Mukaidani, "Optimal numerical strategy for Nash games of weakly coupled large-scale systems," *Dynamics of Continuous, Discrete, and Impulsive Systems*, vol. 13, 249–268, 2006.
915. H. Mukaidani, "A numerical analysis of the Nash strategy for weakly coupled large-scale systems," *IEEE Transactions on Automatic Control*, Vol. 51, 1371–1377, 2006.
916. H. Mukaidani, "Numerical computation of sign-indefinite linear quadratic differential games for weakly coupled linear large-scale systems," *International Journal of Control*, Vol. 80, 75–86, 2007.
917. M. Huang, P. Caines, and R. Malhame, "Large-population cost-coupled LQG problems with nonuniform agents: Individual-mass behavior and decentralized  $\varepsilon$ -Nash equilibria," *IEEE Transactions on Automatic Control*, Vol. 52, 1560–1571, 2007.
918. H. Mukaidani, "Newton's method for solving cross-coupled sign-indefinite algebraic Riccati equations for weakly coupled large scale systems," *Applied Mathematics and Computation*, Vol. 188, 103–115, 2007.
919. M. Sagara, H. Mukaidani, and T. Yamamoto, "Recursive computation of static output feedback stochastic Nash games for weakly-coupled large-scale systems," *IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences*, Vol. E91A, 3022–3029, 2008.
920. M. Sagara, H. Mukaidani, and T. Yamamoto, "Efficient numerical computations of soft constrained Nash strategy for weakly coupled large-scale systems," *Journal of Computers*, Vol. 3, 2–10, 2008.
921. H. Mukaidani, "Soft-constrained stochastic Nash games for weakly coupled large scale systems," *Automatica*, Vol. 45, 1272–1269, 2009.
- D. POPESCU and Z. Gajic**, "Singular perturbation analysis of cheap control problem for sampled data systems," *IEEE Transactions on Automatic Control*, Vol. 44, 2209–2214, 1999.
922. D. Naidu, "Singular perturbations and time scales in control theory and applications: An overview," *Dynamics of Continuous, Discrete, and Impulsive Systems*, Vol. 9, 233–278, 2002.
923. H.P. Liu, F.C. Sun, and K.Z. He, "Survey of singularly perturbed control systems: theory and applications," *Control Theory and Applications*, vol. 20, 1–7, 2003.
924. T. Zerizer, "Perturbation method for linear difference equations with small parameters," *Advances in Differential Equations*, Art. No. 19214, 2006.
- D. POPESCU and Z. Gajic**, "The effect of balancing of singularly perturbed linear systems," *IProceedings of the Conference on Information Science and Systems*, 15–17, Princeton, NJ, 2000.
925. S. Djennoune and M. Bettayeb, "Closed-loop balancing for a class of non-linear singularly perturbed systems," *International Journal of Systems Science*, Vol. 40, 223–235, 2009.
- D. PRLJACA and Z. Gajic**, "Optimal control and filtering of weakly coupled linear discrete stochastic systems by the eigenvector approach," *WSEAS Transactions on Systems and Control*, Vol. 2, 435–441, 2007.
926. L. Mihi, L. Romulus, J. Nicolae, C. Costin, and C. Madalina, "Aspects regarding a new method for the optimal control law's synthesis of aircraft' move," *WSEAS Transactions on Circuits and Systems*, Vol. 7, 492–501, 2008.
927. R. Lungu, M. Lungu, L. Dinca, and E. Stoenescu, "On-line parameter identification and discrete optimal command of the flying object' move," *International Journal of Circuits, Systems, and Signal Processing*, Vol. 2, 274–283, 2008.
928. L. Mihi, L. Romulus, J. Nicolae, C. Madalina, and C. Costin, "Optimal control of flying objects' move after estimated state vector using a reduced order observer," *WSEAS Transactions on Circuits and Systems*, Vol. 7, 502–511, 2008.
929. C. Lupu, D. Popescu, A. Undea, and C. Dimon, "Solutions for nonlinear process control," *WSEAS Transactions on Systems and Control*, 597–606, 2008.

930. G. Sirbiladze, A. Sikharulidze, and N. Sirbiladze, "Fuzzy programming problem in the weakly structurable dynamic system and choice of decisions," *WSEAS Transactions on Systems and Control*, Vol. 3, 937–953, 2008.
931. Y-S. Ding and B. Liu, "An intelligent bi-cooperative decoupling control approach based on modulation mechanism of internal environment in body," *IEEE Transactions on Control Systems Technology*, Vol. 19, 692–698, 2011.

**D. PRLJACA and Z. Gajic**, "A method for optimal control and filtering of multi-time scale linear stochastic singularly perturbed systems," *Automatica*, Vol. 44, 2149–2156, 2008.

932. H. Mukaidani and V. Dragan, "Control of deterministic and stochastic systems with several small parameters — A survey," *Annals of the Academy of Romanian Scientists: Series on Mathematics and Its Applications*, Vol. 1, 112–140, 2009.
933. NC. Tsai, and CW. Chiang, "Spindle position regulation for wind power generators," *Mechanical Systems and Signals processing*, Vol. 24, 873–889, 2010.
934. M. D. S. Aliyu and E. K. Boukas, " $H_\infty$ —filtering for singularly perturbed nonlinear systems," *International Journal of Robust and Nonlinear Control*, Vol. 21, 218–236, 2011.
935. Y. S. Ding and B. Liu, "An intelligent bi-cooperative decoupling control approach based on modulation mechanism of internal environment in body," *IEEE Transactions on Control System Technology*, Vol. 19, 692–698, 2011.
936. N. Cao, H-G. Zhang, Y-H. Lu, D-Z. Feng, and Y. Liu, "Suboptimal control of a class of nonlinear singularly perturbed systems," *Control Theory and Applications*, Vol. 28, 688–692, 2011.
937. M. D. S. Aliyu and E. K. boukas, "H2 filtering for non-linear singularly perturbed systems," *IET Control Theory and Applications* Vol. 5, 2023–2032, 2011.

**D. PRLJACA and Z. Gajic**, "General transformation for block diagonalization of multi-time scale singularly perturbed linear systems," *IEEE Transactions on Automatic Control*, Vol. 53, 1303–1305, 2008.

938. K-S. Park and J-T. Lim, "Stability analysis of nonstandard nonlinear singularly perturbed systems," *IEEE Transactions on Circuits — II: Express Briefs*, Vol. 58, 309–313, 2011.

**L. QIAN and Z. Gajic**, "Joint optimization of mobile transmission power and SIR error in CDMA systems," *Dynamic of Continuous, Discrete, and Impulsive Systems* Vol. 10, 537–559, 2003, also *Proceedings of American Control Conference*, 3767–3772, Washington DC, 2001.

939. M. Anderson, S. Perreau, and L. White, "Linear quadratic power control for CDMA systems," *Journal of Telecommunications and Information Technology*, vol. 2, 48–54, 2003.
940. L-C. Wang and C-W. Chang, "Probability of false power control command in CDMA systems subject to measurement errors," *IEEE Communication Letters*, Vol. 9, 298–300, 2005.
941. R. Neto, F. Chaves, R. Cavalcanti, and R. de Santos, "Power Control for Wireless Networks," pp. 83–108, in C. Cavalcante, F. Colares, and P. Brbosa (eds.), *Telecommunications: Advances, and Trends in Transmission, Networking and Applications*, UNIFOR, Fortaleza, Brasil, 2006.
942. N. Zhao, Z. Wu, Y. Zhao, and T. Quan, "Robust  $H_\infty$  power control for CDMA systems in user-centric and network-centric manners," *ETRI Journal*, Vol. 31, 399–407, 2009.
943. N. Zhao and H. Sun, "Robust power control for cognitive radio in spectrum underlay networks," *KSII Transactions on Internet and Information Systems*, Vol. Vol. 5, 1214–1229, 2011.
944. M. Dosaranian-Moghadao, H. Bakshi, and G. Dadashzadeh, "Reverse link performance of DS-CDMA cellular systems through closed-loop power control, base station assignment, and antenna arrays in 2D urban environment," *Wireless Personal Communications*, in press, 2011.

**L. QIAN, N. Song, D. Vaman, X. Li, and Z. Gajic**, "Joint power control and maximally disjoint routing for reliable data delivery in multihop CDMA wireless ad hoc networks," *Proceedings 2006 IEEE WCNC*, 763–769, Las Vegas, 2006.

945. N. Chen, Q-M. Zhang, and S-Z. Jin, "A fuzzy path selection power-based for MANET, in *Fuzzy Information and Engineering*, Advances in Soft Computing, Vol. 62, 1283–1291, Springer Verlag, 2009.
946. W. Li, Y. Cui, X. Cheng, M. A. Al-Rodhaan, and A. Al-Dhelaan, "Achieving proportional fairness via AP power control in multi-rate WLANs," *IEEE Transactions on Wireless Communications*, Vol. 10, 3784–3792, 2011.

**L. QIAN, X. Li, J. Attia, and Z. Gajic**, "Power control for cognitive radio ad hoc networks," *Proceedings of 15th IEEE Workshop LANMAN*, 7–12, Princeton, New Jersey, 2007.

947. B. Mark and A. Nasif, "Estimation of maximum interference-free power level for opportunistic spectrum access," *IEEE Transactions on Wireless Communications*, Vol. 8, 2505–2513, 2009.
948. A. Nasif and B. Mark, "Opportunistic spectrum sharing with multiple cochannel primary transmitters," *IEEE Transactions on Wireless Communications*, Vol. 8, 5702–5710, 2009.
949. Y. Che, J. Wang, W. Tang, and S. Li, "Hybrid power control scheme in hierarchical spectrum sharing network for cognitive radio," *Physical Communications*, Vol. 2, 73–86, 2009.

950. H-Y. Gu, C-Y. Yang, and B. Fong, "Low-complexity centralized joint power and admission control in cognitive radio networks," *IEEE Communications Letters*, Vol. 13, 420–422, 2009.
951. V. Chandrasekhar, J. Andrews, T. Muhamerovic, Z. Shen, and A. Ganther, "Power control in two-tier femtocell networks," *IEEE Transactions on Wireless Communications*, vol. 8, 4316–4328, 2009.
952. W. Ren, Q. Zhao, and A. Swami, "Power control in cognitive radio networks: How to ctoss a multi-lane highway," *IEEE Transactions on Selected Areas in Communications*, Vol. 27, 1283–1292, 2009.
953. L. Akter and B. Natarajan, "A two-stage power and rate allocation strategy for secondary users in cognitive radio networks," *Journal of Communications*, Vol. 4, 781–789, 2009.
954. V. Chandrasekhar, M. Koutouris, and J. Andrews, "Coverage in multi-antenna two-tier networks," *IEEE Transactions on Wireless Communications*, Vol. 8, 5314–5327, 2009.
955. H-Y. Gu and C-Y. Yang, "Min-max fair power and rate control algorithm for dynamic spectrum access," *Journal of Electronics and Information Technology (Japan)*, Vol. 31, 19–19–1924, 2009.
956. C-D. Wu, Z-W. Pan, and X-H. You, "An optimal cross-layer spectrum sharing scheme for cognitive radio based Ad hoc networks," *Journal of Nanjing University of Posts aand Telecommunications*, Vol. 29, 83–87, 2009.
957. S. Srinivasa and S. A. Jafar, "Soft sensing and optimal power control for cognitive radio," *IEEE Transactions on Wireless Communications*, Vol. 9, 3638–3649, 2010.
958. N. Hao and S-J. Yoo, "Adaptive neighbor coordinated power control scheme for cognitive radio Ad-Hoc networks," *IEICE Transactions on Communications*, Vol. E93–B, 1597–1600, 2010.
959. C-I. Badoi, N. Prasad, V. Croitoru, and R., Prasad, "5G Based on cognitive radio," *Wireless Personal Communications*, Vol. 57, 441–464, 2011.
960. L. Akter and B. Natarajan, "Distribute dapproach for power and rate allocation to secondary users in cognitive radio networks," *IEEE Transactions on Vehicular Technology*, Vol. 60, 1526–1538, 2011.
961. J. I-Z. Chen, K-C. Chuang, C-C. Chiu, and D-J. Juang, "On two-tier femtocell over fading environments," *Engineering*, Vol. 3, 292–229, 2011.
962. P. DeraKhshan-Barjoei, G. Dadashzadeh, F. Razzazi, adnd S. Mohammad Razavizadeh, "Bio-inspired distributed beam-forming for cognitive radio networks in non-stationary environment," *IEICE Electronics Express*, Vol. 8, 332–339, 2011.
963. O. Durowoju, K. Arshad, and K. Moessner, "Disstributed power control algorithm for cognitive radios with primary protection via spectrum sensing under user mobility," *Ad Hoc Networks*, in press, 2011.
- L. QIAN and Z. Gajic**, "Variance minimization stochastic power control in CDMA systems," *Proceedings International Conference on Communications*, 1763–1767, New York, **2002**. also, *IEEE Transactions on Wireless Communications*, vol. 5, 193–2002, **2006**.
964. M. Anderson, S. Perreau, and L. White, "Linear quadratic power control for CDMA systems," *Journal of Telecommunications and Information Technology*, vol. 2, 48–54, 2003.
965. B. Lee, H. Chen, B-S. Chen, "Power control of cellular radio systems via robust Smith predictive filter," *IEEE Transactions on Wireless Communications*, Vol. 3, 1822–1831, 2004.
966. L-C. Wang and C-W. Chang, "Probability of false power control command in CDMA systems subject to measurement errors," *IEEE Communication Letters*, Vol. 9, 298–300, 2005.
967. B-S. Chen, B-K. Lee and S-K. Chen, "Adaptive power control of cellular CDMA systems via the optimal predictive model," *IEEE Transactions on Wireless Communications*, Vol. 4, 1914–1927, 2005.
968. S. Perreau and M. Anderson, "A new method for centralized and decentralized robust power control in CDMA systems," *Digital Signal Processing*, Vol. 16, 568–576, 2006.
969. R. Neto, F. Chaves, R. Cavalcanti, and R. de Santos, "Power Control for Wireless Networks," pp. 83–108, in C. Cavalcante, F. Colares, and P. Brbosa (eds.), *Telecommunications: Advances, and Trends in Transmission, Networking and Applications*, UNIFOR, Fortaleza, Brasil, 2006.
970. S. Kong, H. Zhang, and Z. Zhang, "A scheme to design power controller in wireless network systems," *Physics Letters A*, Vol. 361, 422–428, 2007.
971. W. Zhang, Y. Huang, and H. Zhang, "Stochastic  $H_2/H_\infty$  control for discrete-time systems with state and disturbance dependent noise," *Automatica*, Vol. 43, 513–521, 2007.
972. H. Kim and K. You, "Observer based sliding-mode power control for CDMA systems," *Dynamics of Continuous, Discrete and Impulsive Systems Series B: Applications and Algorithms*, Vol. 14, 433–444, 2007.
973. X. An, W. Zhang, and Q. Li, "Robust  $H_\infty$  filtering of stochastic time-delay systems with state dependent noise," *Asian Journal of Control*, Vol. 10, 384–391, 2008.
974. W. Zhang, Y. Huang, and H. Zhang, "Infinite horizon stochastic  $H_2/H_\infty$  control for discrete-time systems with state and disturbance dependent noise," *Automatica*, Vol. 44, 2306–2316, 2008.
975. M. Chiang, P. Handle, T. Lan, C. Tan, "Power Control in Wireless Cellular Networks," *Foundations and Trends in Neytworking*, Vol. 3, no. 4, 381–533, 2008.
976. F. R. P. Cavalcanti and S. Andersson, *Optimizing Wireless Communication Systems*, p. 46, Springer Verlag, 2009.

977. D. Campos-Delgado, J. Luna-Rivera and F. Martinez-Lopez, "Distributed power control algorithms in the uplink wireless code-division multiple-access systems," *IET Control Theory and Applications*, Vol. 4, 795–805, 2010.
978. M. D. Moghadam, H. Bakshhi, and G. Dadashzadeh, "Interference management for DS-CDMA systems through closed-loop power control, base station assignment, and beam forming," *Wireless Sensor Networks*, Vol. 2, 472–482, 2010.
979. M. D. Moghadam, H. Bakshhi, and G. Dadashzadeh, "Joint centralized power control and cell sectoring for interference management in CDMA cellular systems in a 2D urban environment," *Wireless Sensor Networks*, Vol. 2, 599–605, 2010.
980. M. D. Moghadam, H. Bakshhi, and G. Dadashzadeh, "Joint closed-loop power control and base station assignment for DS-CDMA receiver in multipath fading channel with adaptive beamforming method," *Iranian Journal of Electrical & Electronic Engineering*, Vol. 6, 156–167, 2010.
981. J. Luna-Rivera and D. Campos-Delgado, "Distributed power control algorithms for asynchronous CDMA systems in frequency-selective fading channels," *Wireless Networks*, Vol. 17, 453–464, 2011.
982. H. Sun, M. Li, and W. Zhang, "Critical stability of discrete-time stochastic systems and its application," *International Journal of Control, Automation, and Systems*, Vol. 9, 1028–1036, 2011.
983. F. de S. Chaves, M. Abbas-Turki, H. Abou-Kandil, and J. M. T. Romano, "Transmission power control for opportunistic QoS provision in wireless networks," *IEE Transactions on Control Systems Technology*, in press, 2012.
984. M. Dosaranian-Moghadam, H. Bakshhi, and G. Dadashzadeh, "Effects of Nakagami-fading parameters and power control error on performance of DS-CDMA cellular systems with adaptive beamforming," *Wireless Personal Communications*, in press, 2012.

**M. QURESHI and Z. Gajic**, "A new version of the Chang transformation," *IEEE Transactions on Automatic Control*, Vol. AC-37, 800–801, **1992**.

985. I. Borno, "Boundary value problem of linear discrete-time singularly perturbed systems," *Control—Theory and Advanced Technology*, Vol. 10, 923–928, 1994.
986. N. Derbel and M. Kamoun, "A third order approach for block-diagonalization of singularly perturbed systems," *RAIRO APII-JESA*, Vol. 30, 9–22, 1996.
987. M. Lim, "A study on the solution of equations for decomposition of singularly perturbed systems," *Journal of Engineering Science & Technology*, Vol. 34, 37–41, 1997.
988. M. Lim, "A novel approach for LQG control of singularly perturbed continuous stochastic systems," *Journal of Electrical Engineering and Information Science*, Vol. 4, 159–164, 1999.
989. N. Derbel, "A new decoupling algorithm of weakly coupled systems," *System Analysis, Modeling and Simulation*, Vol. 35, 359–374, 1999.
990. Z. Shao, "Stability bounds of singularly perturbed delay systems," *IEE Proceedings — Control Theory and Applications*, Vol. 151, 585–588, 2004.
991. B. Kim, Y. Kim, and M. Lim, "LQG control for nonstandard singularly perturbed discrete-time systems," *Journal of Dynamic Systems Measurement and Control — Transactions of the ASME*, vol. 126, 860–864, 2004.
992. Z. Shao and M. Sawan, "Stabilization of uncertain singularly perturbed systems," *IEE Proceedings — Control Theory and Applications*, Vol. 153, 99–103, 2006.

**M. Qureshi, X. Shen, and Z. Gajic**, "Optimal output feedback control of a discrete linear singularly perturbed stochastic systems," *International Journal of Control*, Vol. 55, 361–371, **1992**.

993. Si Tzoo-Hseng and Jehn Li, "Optimal static feedback stabilization of singularly perturbed discrete-time systems," *IMA Journal of Mathematical Control and Information*, Vol. 11, 213–230, 1994.
994. D. Naidu, "Singular perturbations and time scales in control theory and applications: An overview," *Dynamics of Continuous, Discrete, and Impulsive Systems*, Vol. 9, 233–278, 2002.
995. K.C. Yao, CY. Lu, WJ. Shyr, DF. Chen, "Robust output feedback control of decentralized stochastic singularly-perturbed computer controlled systems with multiple time-varying delays," *International Journal of Innovative Computing, Information and Control*, Vol. 5, 4407–4414, 2009.

**R. RUTKOWSKI and Z. Gajic**, "Newton method for solving singularly perturbed algebraic Riccati equation," *Proc. The Regional Conference on Control Systems*, p. 196–199, Newark, NJ, **1993**.

996. H. Mukaidani, H. Xu, and K. Mizukami, "A revised Kleinman algorithm to solve algebraic Riccati equation of singularly perturbed systems," *Automatica*, Vol. 38, 553–558, 2002.

**X. SHEN and Z. Gajic**, "Approximate parallel controllers for discrete stochastic weakly coupled linear systems," *Optimal Control Applications and methods*, Vol. 11, 345–354, **1990**.

997. D. Naidu, "Singular perturbations and time scales in control theory and applications: An overview," *Dynamics of Continuous, Discrete, and Impulsive Systems*, Vol. 9, 233–278, 2002.

- X. Shen and Z. Gajic**, "Optimal reduced-order solution of the weakly coupled discrete algebraic Riccati equation," *IEEE Transactions on Automatic Control*, Vol. AC-35, 1160–1162, **1990**.
998. U. Al-Saggaf, "Subsystem interconnection and near optimum control of discrete balanced systems," *IEEE Transactions on Automatic Control*, Vol. AC-37, 1026–1033, 1992.
999. X. Shen, Q. Xia, and M. Rao, "Recursive reduced-order open-loop optimal control of discrete weakly coupled linear systems," *Optimal Control Applications & Methods*, Vol. 16, 299–304, 1995.
1000. Beyond Woo You, "On the development of lower order aggregated model for the linear large-scale model," *International Journal of Management Science*, 125–142, 1998.
1001. D. Skataric, *Optimal Control of Quasi Singularly Perturbed and Weakly Coupled Systems*, Planeta Press, Belgrade, 2005.
1002. W-C. Jung, Y-J. Kim, and M-T. Lim, "Design of an Optimal Controller for Congestion in ATM Networks," *Transactions KIEE*, Vol. 54D, 359–365, 2005.
- X. Shen and Z. Gajic**, "Near-optimum steady state regulators for stochastic linear weakly coupled systems," *Automatica*, Vol. 25, 919–923, **1990**.
1003. J. Momoh and X. Shen, "Recursive approach to optimal control problem of multiarea electric energy system," *IEE Proceedings-D*, Vol. 138, 543–546, 1991.
1004. K. Reidel, "Block diagonally dominant positive definite approximate filters and smoothers," *Automatica*, Vol. 29, 779–783, 1993.
1005. X. Shen, Q. Xia, M. Rao, and V. Gourishankar, "Optimal control for large-scale systems: a recursive approach," *International Journal of Systems Science*, Vol. 25, 2235–2244, 1994.
1006. X. Shen, Q. Xia, and M. Rao, "Recursive reduced-order open-loop optimal control of discrete weakly coupled linear systems," *Optimal Control Applications & Methods*, Vol. 16, 299–304, 1995.
1007. D. Naidu, "Singular perturbations and time scales in control theory and applications: An overview," *Dynamics of Continuous, Discrete, and Impulsive Systems*, Vol. 9, 233–278, 2002.
- D. SKATARIC and Z. Gajic**, "Linear control of nearly singularly perturbed hydro power plants," *Automatica*, Vol. 28, 159–163, **1992**.
1008. C. Chen and J. Hsieh, "A simple criterion for global stabilizability of a class of nonlinear singularly perturbed systems," *International Journal of Control*, Vol. 59, 583–591, 1994.
1009. S. Koskie, D. Skataric, and B. Petrovic, "Convergence proof for recursive solution of linear-quadratic Nash games for quasi-singularly perturbed systems," *Dynamics of Continuous, Discrete, and Impulsive Systems*, Vol. 9, 317–335, 2002.
1010. D. Skataric, *Optimal Control of Quasi Singularly perturbed and Weakly Coupled Systems*, Planeta Press, Belgrade, 2005.
1011. D. Skataric and N. Ratkovic, "Prikaz metode redukcije matematickih modela slozenih sustema," *Tehnika*, Vol. 55, no. 2, 1–9, 2006.
1012. N. Kovacevic and D. Skataric, "Multimodel Control via System Balancing," *Mathematical Problems in Engineering*, Article ID 841830, 2010.
1013. D. Skataric and N. Ratkovic-Kovacevic, "The system order reduction via balancing in view of the method of singular perturbations," Vol. 38, 181–187, 2010.
- D. Skataric, Z. Gajic, and L. Qian**, "Optimal linear and bilinear algorithms for power control in 3G wireless CDMA networks," *European Transactions on Telecommunications*, Vol. 18, 419–426, **2007**.
1014. N. Zhao, Z. Wu, Y. Zhao, and T. Quan, "Robust  $H_\infty$  power control for CDMA systems in user-centric and network-centric manners," *ETRI Journal*, Vol. 31, 399–407, 2009.
1015. Z. Wu, N. Zhao, G. ren, and T. Quan, "Anti-interference strategies review of unified spread spectrum telemetry tracking and control system," *Information Technology Journal*, Vol. 9, 979–983, 2010.
- D. Skataric, Z. Gajic, and S. Koskie**, "Optimal SIR-based power control updates in wireless CDMA communication systems," *Proceedings of the Control Decision Conference*, 5146–515, Nassau, Bahamas, **2004**.
1016. D. Campos-Delgado, J. Luna-Rivera and F. Martinez-Lopez, "Distributed power control algorithms in the uplink wireless code-division multiple-access systems," *IET Control Theory and Applications*, Vol. 4, 795–805, 2010.
1017. J. Luna-Rivera and D. Campos-Delgado, "Distributed power control algorithms for asynchronous CDMA systems in frequency-selective fading channels," *Wireless Networks*, Vol. 17, 453–464, 2011.
- L. SONG, N. Mandayam, and Z. Gajic**, "Analysis of an up/down power control algorithm for the CDMA reverse link: A nonlinear control approach," *Proceedings of the Conference on Information Sciences and Systems*, 119–124 Princeton, New Jersey, **1999**.
1018. J. Herdtner and E. Chong, "Analysis of a class of distributed asynchronous power control algorithms for cellular wireless systems," *IEEE Journal of Selected Areas in Communications*, Vol. 18, 436–446, 2000.

1019.S. Glisic, *Adaptive WCDMA*, p. 164–5, 188, Wiley 2003.

- L. Song, N. Mandayam, and Z. Gajic**, “Analysis of an up/down power control algorithm for the CDMA reverse link under fading,” *IEEE Journal on Selected Areas in Communications*, Vol. 19, 277–286, 2001.
- 1020.F. Gunnarsson, F. Gustafsson, and J. Blom, “Dynamical effects of time delays and time delay compensation in power controlled DS-CDMA,” *IEEE Journal of Selected Areas in Communications*, Vol. 19, 141–151, 2001.
- 1021.S. Sarkar and Y-C. Jou, “Adaptive control of reverse link in cdma2000,” *International Journal of Wireless Networks*, Vol. 9, 55–70, 2002.
- 1022.A. Abrardo, G. Giambene, and D. Sennati, “Performance analysis of SIR-based closed-loop power control with feedback errors,” *IEICE Transactions on Communications*, Vol. 5, 872–881, 2002.
- 1023.K. Shoarinejad, J. Speyer, and G. Pottie, “Integrated predictive power control and dynamic channel assignment in mobile radio systems,” *IEEE Transactions on Wireless Communications*, Vol. 2, 976–988, 2003.
- 1024.F. Gunnarsson and F. Gustafsson, “Control theory aspects of power control in UMTS,” *Control Engineering Practice*, Vol. 11, 1113–1125, 2003.
- 1025.Ni Liang, Feng Zheng, and Baoi Yu, “Application of adaptive RBF neural networks for up link power control in CDMA mobile communications,” *Journal of China Institute of Communications*, Vol. 24, 42–51, 2003.
- 1026.F. Gunnarsson, “Fundamental limitations of power control and radio resource management for wireless networks,” *Wireless Communications and Mobile Computing*, Vol. 4, 579–591, 2004.
- 1027.M. Huang, P. Caines, and R. Malhalme, “Uplink power adjustment in wireless communication systems: A stochastic control analysis,” *IEEE Transactions on Automatic Control*, Vol. 49, 1693–1708, 2004.
- 1028.M. Guizani, (ed.), *Wireless Communication Systems and Networks*, (B. Hashen, “Power control implementation in 3rd generation CDMA networks,” p. 157–177,) Plenum Press, New York, 2004.
- 1029.B. Lee, H. Chen, B-S. Chen, “Power control of cellular radio systems via robust Smith predictive filter,” *IEEE Transactions on Wireless Communications*, Vol. 3, 1822–1831, 2004.
- 1030.Ni Liang and Fang Zheng, “Neural networks in CDMA mobile communications up link power control,” *Journal of Nanjing University of Posts and Telecommunications*, Vol. 25, 1–8, 2005.
- 1031.X. Wang, “An FDD wideband CDMA MAC protocol with minimum-power allocation and GPS-scheduling for wireless area multimedia networks,” *IEEE Transactions on Mobile Computing*, Vol. 4, 16–28, 2005.
- 1032.M. Huang, R. Malhalme, and P. Caines, “Computationally tractable stochastic power control laws in wireless communications,” *IEEE Transactions on Automatic Control*, Vol. 50, 263–268, 2005.
- 1033.B-S. Chen, B-K. Lee and S-K. Chen, “Adaptive power control of cellular CDMA systems via the optimal predictive model,” *IEEE Transactions on Wireless Communications*, Vol. 4, 1914–1927, 2005.
- 1034.S. Choe, HM Kwon, and M. Uysal, “Performance analysis of imperfect closed-loop power control over Rayleigh fading,” *Electronics Letters*, Vol. 41, 1071–1072, 2005.
- 1035.H. Zhang, C. Chen, and W. Wong, “Distributed power control for time varying systems: Performance and convergence analysis,” *IEEE Transactions on Vehicular Technology*, Vol. 54, 1896–1904, 2005.
- 1036.S. Choe, “An analytical framework for imperfect DS-CDMA closed-loop power control over flat fading,” *ETRI Journal*, vol. 27, 810–813, 2005.
- 1037.M. Olama, S. Djouadi, and C. Charalambous, “Stochastic power control for time-varying long-term fading wireless networks,” *Journal of Applied Signal Processing*, Art. no. 89864, 2006.
- 1038.S. Choe, “CDMA power control using channel prediction in mobile fading channels,” *Lecture Notes in Computer Science*, Vol. 4517, 370–379, 2007.
- 1039.L. Chisci, R. Fantacci, L. Mucchi, and T. Pecorella, “A queue based approach to power control in wireless communication networks,” *IEEE Transactions on Wireless Communications*, Vol. 7, 128–134, 2008.
- 1040.S. Choe and M. Uysal, “Predictive closed-loop power control scheme with comb-type sample arrangement for code division multiple access cellular networks,” *IET Communications*, Vol. E91–B, 3272–3280, 2008.
- 1041.S. Choe and M. Uysal, “Predictive closed-loop power control scheme for CDMA cellular networks,” *IEICE Transactions on Communications*, Vol. 2, 909–917, 2008.
- 1042.M. Chiang, P. Handle, T. Lan, C. Tan, “Power Control in Wireless Cellular Networks,” *Foundations and Trends in Networking*, Vol. 3, no. 4, 381–533, 2008.
- 1043.D. Love, R. Heath, V. Lau, D. Gesbert, B. Rao, and M. Andrews, “An overview of limited feedback in wireless communication systems,” *IEEE Journal of Selected Areas in Communications*, Vol. 26, 1341–1365, 2008.
- 1044.F. Zarringhalam, B. Seyfe, M. Shikh-Bahaei, G. Gharbit, and H. Agrhvari, “Jointly optimized rate and outer loop power control with single- and multi-user detection,” *IEEE Transactions on Wireless Communications*, Vol. 8, 186–195, 2009.
- 1045.M-K. Chang and S-Y. Lee, “Modeling of single-step power control scheme in finite-state Markov channel and its impact on queuing performance,” *IEEE Transactions on Vehicular Technology*, Vol. 58, 1711–1721, 2009.
- 1046.PT. Vlachas, EA. Kolokotroni, EZ. Tragos, and ME. Theologou, “A hybrid multirate MAC protocol providing trade-off between throughput and fairness in future TD-CDMA,” *European Transaction on Telecommunications*, Vol. 21, 64–72, 2010.

- 1047.M-K. Chang, S-Y. Lee, C-H. Chien, and C-H. Kuo, "Performance analysis and modeling of single-step power control in finite state Markov channel under different feedback channels," *IEEE Transactions on Communications*, Vol. 58, 1280–1290, 2010.
- 1048.A. Shojaeifard, F. Zarringhalam, and M. Shikh-Bahaei, "Joint physical layer and data link layer optimization of CDMA-based networks," *IEEE Transactions on Wireless Communications*, Vol. 10, 3278–3287, 2011.
- S. Sorooshiyari and Z. Gajic**, "A Robust Kalman filtering approach to stochastic power control for time varying wireless networks," *Proceedings of ICC*, WC16–2 (6 pages), Seoul, May 2005.
- 1049.M. Chiang, P. Handle, T. Lan, C. Tan, "Power Control in Wireless Cellular Networks," *Foundations and Trends in Networking*, Vol. 3, no. 4, 381–533, 2008.
- S. Sorooshiyari and Z. Gajic**, "Autonomous dynamic power control for wireless networks: user-centric and network-centric consideration," *IEEE Transactions on Wireless Communications*, Vol. 7, 1004–1015, 2008 (also CDC 2004).
- 1050.R. Neto, F. Chaves, R. Cavalcanti, and R. de Santos, "Power Control for Wireless Networks," pp. 83–108, in C. Cavalcante, F. Colares, and P. Brbosa (eds.), *Telecommunications: Advances, and Trends in Transmission, Networking and Applications*, UNIFOR, Fortaleza, Brasil, 2006.
- 1051.T. Olwal, F. Aron, B. van Wyk, Y. Hamam, N. Ntlatlapa, and M. Odhiambo, "Improved distributed dynamic power control for wireless mesh networks," *Lecture Notes in Computer Science*, Vol. 5198, 357–368, 2008.
- 1052.T. Olwal, B. van Wyk, K. Djouani, Y. Hamam, P. Siarry, and N. Ntlatlapa, "Autonomous transmission power adaptation for multi-radio multi-channel wireless mesh networks," *Lecture Notes in Computer Science*, Vol. 5793, 284–297, 2009.
- 1053.T. Olwal, K. Djouani, B. van Wyk, Y. Hamam, P. Siarry, and N. Tlatlapa, "A multiple-state based power control for multi-radio multi-channel wireless mesh networks," *International Journal of Computer Science*, Vol. 4, 53–61, 2009.
- 1054.J. Zheng and M. Ma, "A utility-based joint power control and rate adaptive algorithm in wireless ad hoc networks," *IEEE Transactions on Communications*, Vol. 57, 134–140, 2009.
- 1055.N. Zhao, Z. Wu, Y. Zhao, and T. Quan, "Robust  $H_\infty$  power control for CDMA systems in user-centric and network-centric manners," *ETRI Journal*, Vol. 31, 399–407, 2009.
- 1056.F. R. P. Cavalcanti and S. Andersson, *Optimizing Wireless Communication Systems*, p. 48, Springer Verlag, 2009.
- 1057.T. Olwal, K. Djouani, B. van Wyk, Y. Hamam, and P. Siarry, "A multi-radio multi-channel unification power control for wireless mesh networks," *International Journal of Electrical and Computer Engineering*, Vol. 5, 38–50, 2010.
- 1058.T. O. Olwal, B. J. Van Wyk, and N. Ntlatlapa, "Dynamic power control for wireless backbone mesh networks: A survey," *Network Protocols and Algorithms*, Vol. 2, 1–44, 2010.
- 1059.F. Xing and W. Wang, "Toward robust multi-hop data forwarding in large scale wireless networks," *Computer Networks*, Vol. 55, 2608–2621, 2011.
- 1060.F. de S. Chaves, M. Abbas-Turki, H. Abou-Kandil, and J. M. T. Romano, "Transmission power control for opportunistic QoS provision in wireless networks," *IEEE Transactions on Control Systems Technology*, in press, 2012.
- W. Su and Z. Gajic**, "Reduced-order solution to the finite time optimal control problems of linear weakly coupled systems," *IEEE Transactions on Automatic Control*, Vol. AC-36, 498–501, 1991.
- 1061.X. Shen, Q. Xia, and M. Rao, "Recursive reduced-order open-loop optimal control of discrete weakly coupled linear systems," *Optimal Control Applications & Methods*, Vol. 16, 299–304, 1995.
- 1062.G. Freiling, "A survey of nonsymmetric Riccati equations," *Linear Algebra and its Applications*, Vol. 351–352, 243–270, 2002.
- 1063.H. Abou-Kandil, G. Freiling, V. Jonescu, and G. Jank, *Matrix Riccati Equations in Control and Systems Theory*, Birkhouser, Verlag, Basel, p. 563, 2003.
- 1064.M. Ekman, "Suboptimal control of the bilinear quadratic regulator problem: Application to the activated sludge process," *IEEE Transactions on Control Systems Technology*, Vol. 13, 162–168, 2005.
- W. Su, Z. Gajic, and X. Shen**, "The exact slow-fast decomposition of the algebraic Riccati equation of singularly perturbed systems," *IEEE Transactions on Automatic Control*, Vol. AC-37, 1456–1459, 1992b.
- 1065.E. Fridman, "Exact decomposition of linear singularly perturbed  $H^\infty$ -optimal control problem," *Kybernetika*, Vol. 31, 591–599, 1995.
- 1066.E. Fridman, "Near optimum  $H^\infty$  control of linear singularly perturbed systems," *IEEE Transactions on Automatic Control*, Vol. AC-41, 236–240, 1996.
- 1067.H. Mukaidani and H. Xu, "The recursive algorithm of  $H_\infty$  control problems for standard and nonstandard singularly perturbed systems," *Transactions of the Society of Instrument and Control Engineers*, Vol. 34, no. 6, 555–562, 1998.
- 1068.E. Fridman and U. Shaked, " $H^\infty$ -norm and invariant manifolds of systems with state delays," *Systems & Control Letters*, Vol. 36, 157–165, 1999.
- 1069.W. Su, "Sliding surface design for singularly perturbed systems," *International Journal of Control*, Vol. 72, 990–995, 1999.

- 1070.M. Lim, "A novel approach for LQG Control of singularly perturbed continuous stochastic systems," *Journal of Electrical Engineering and Information Science*, Vol. 4, 159–164, 1999.
- 1071.E. Fridman, "Exact slow-fast decomposition of a class of non-linear singularly perturbed optimal control problems via invariant manifolds," *International Journal of Control*, Vol. 72, 1609–1618, 1999.
- 1072.E. Fridman, "Exact slow-fast decomposition of nonlinear singularly perturbed optimal control problem," *Systems & Control Letters*, Vol. 40, 121–131, 2000.
- 1073.N. Ready, M. Bidani, and B. Bensassi, "Exact decomposition of multirate periodic sampled-data systems," *Systems Analysis Modeling and Simulation*, Vol. 41, 17–45, 2001.
- 1074.G. Freiling, "A survey of nonsymmetric Riccati equations," *Linear Algebra and its Applications*, Vol. 351–352, 243–270, 2002.
- 1075.D. Naidu, "Singular perturbations and time scales in control theory and applications: An overview," *Dynamics of Continuous, Discrete, and Impulsive Systems*, Vol. 9, 233–278, 2002.
- 1076.M. Bidani, N. Radhy, B. Bensassi, "Optimal control of discrete-time singularly perturbed systems," *International Journal of Control*, vol. 75, 955–966, 2002.
- 1077.H.P. Liu, F.C. Sun, and K.Z. He, "Survey of singularly perturbed control systems: theory and applications," *Control Theory and Applications*, vol. 20, 1–7, 2003.
- 1078.H. Abou-Kandil, G. Freiling, V. Jonsescu, and G. Jank, *Matrix Riccati Equations in Control and Systems Theory*, Birkhouser, Verlag, Basel, p. 562, 2003.
- 1079.W. Assawinchaichote and S. K. Nguang,  $H_\infty$  fuzzy control design for nonlinear singularly perturbed systems with pole placement constraints: An LMI approach," *IEEE Transactions on Systems Man and Cybernetics: Part B — Cybernetics*, Vol. 34, 579–588, 2004.
- 1080.Y. Li, J. L. Wang, and G-H. Yong, "Linear quadratic control for singularly perturbed systems," *Dynamics of Continuous Discrete and Impulsive Systems B: Applications and Algorithms*, Vol. 12, 29–39, 2005.
- 1081.S. Nguang and P. Shi, " $H_\infty$  output feedback control design for uncertain fuzzy systems with multiple time scales: An LMI approach," *European Journal of Control*, Vol. 11, 157–166, 2005.
- 1082.M. Dimitriev and G. Kurina, "Singular perturbations in control systems," *Automation and Remote Control*, vol. 67, 1–43, 2006.
- 1083.W. Assawinchaichote and S. Nguang, "Fuzzy  $H_\infty$  output feedback control design for singularly perturbed systems with pole placement constraints: An LMI approach," *IEEE Transactions on Fuzzy Systems*, Vol. 14, 361–371, 2006.
- 1084.W. Assawinchaichote, S. Nguang, and P. Shi, "Fuzzy control and filter design for uncertain fuzzy systems," *Lecture Notes in Control and Information Sciences*, Vol. 347, p. 175, 2006.
- 1085.W. Assawinchaichote, "A new approach to non-fragile H-infinity fuzzy controller for uncertain fuzzy dynamical systems with multiple time scales," *International Journal of Signals, Systems, Control, and Applications*, Vol. 3, 49–64, 2010.
- 1086.J. Chen, F. Sun, Y. Lin, and C. Hu, "State feedback stabilization for discrete-time fuzzy singularly perturbed systems with parameter uncertainty," *IET Control Theory and Applications*, Vol. 5, 1195–1202, 2011.
- 1087.W. Assawinchaichote, "A non-fragile H-infinity output feedback controller for uncertain fuzzy dynamical systems with multiple time scales," *International Journal of Computer Communications, and Controls*, Vol. 7, 8–19, 2012.
- W. Su, Z. Gajic, and X. Shen**, "The exact recursive reduced-order solution of an open-loop control problem of linear singularly perturbed systems," *IEEE Transactions on Automatic Control*, Vol. AC-37, 279–281, **1992b**.
- 1088.Beyong Woo You, "On the development of lower order aggregated model for the linear large-scale model," *International Journal of Management Science*, 125–142, 1998.
- W. Su and Z. Gajic**, "Decomposition method for solving weakly coupled algebraic Riccati equation," *AIAA Journal of Guidance, Dynamics and Control*, Vol. 15, 536–538, **1992**.
- 1089.V. Kecman, "Eigenvector approach for reduced-order optimal control problems of weakly coupled systems," *Dynamics of Continuous Discrete and Impulsive Systems*, Vol. 13, 569–588, 2006.
- 1090.YH. Li, HJ. Gao, J. Lam, and CH. Wang, "Robust peak-to-peak model reduction for uncertain linear systems: Continuous- and discrete-time case," *Dynamics of Continuous Discrete and Impulsive Systems: Series B - Applications & Algorithms*, Vol. 14, 291–304, 2007.
- J. Zhang and Z. Gajic**, "Stochastic multimodel strategy with perfect measurements," *Control — Theory and Advanced Technology*, Vol. 7, 173–182, **1991**.
- 1091.D. Naidu, "Singular perturbations and time scales in control theory and applications: An overview," *Dynamics of Continuous, Discrete, and Impulsive Systems*, Vol. 9, 233–278, 2002.