List of Doctoral Dissertations January 2001 – May 2020
Electrical and Computer Engineering, Rutgers University
with Student Placement Information

Updated June 11, 2020

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<table>
<thead>
<tr>
<th>Year</th>
<th>January</th>
<th>May</th>
<th>October</th>
<th>Total per Year</th>
<th>TOTAL 2001-2016</th>
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<td>2019</td>
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<td>6</td>
<td>13</td>
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<td>267</td>
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</table>

Average per year | 14.05

Table 1: Number of the ECE Doctoral Dissertations per Year, 2001-2019
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<th>Institutions</th>
<th>Number of Students</th>
<th>Universities and Companies</th>
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<tbody>
<tr>
<td><strong>Assistant Professors</strong></td>
<td>21</td>
<td>Beijing University (China), Cal State University Northridge, Old Dominion University, Technical College of Najaf (Iraq), University of Thi-Qar (Iraq), University of Alabama, Nankai University (China), Prairie View Texas A&amp;M University, IIT Delhi (India), NYIT NYC, Rutgers University (2), Tamkang University Taiwan, Peking University, Georgia State University, Yeditepe University (Turkey), Michigan State University, Louisiana State University, University of Tennessee, University of Basra (Iraq), Soochow University (China), Umm Al Qura University (Saudi Arabia)</td>
</tr>
<tr>
<td><strong>Associate Professors</strong></td>
<td>12</td>
<td>Lehigh University, Old Dominion University (2), Stevens Institute of Technology, University of South Carolina, Indiana University/Purdue University, ITT New Delhi (India), University of Maine, Arizona State University, University of Babes Boilay (Romania), University of Florida Gainesville, China Agricultural University Beijing</td>
</tr>
<tr>
<td><strong>Professors</strong></td>
<td>6</td>
<td>EAFIT University Columbia, Prairie View Texas A&amp;M University, Ajman University UAE, Florida State University, Xiamen University (China), University of Florida Gainesville</td>
</tr>
<tr>
<td><strong>Post-doctoral students</strong></td>
<td>10</td>
<td>Princeton University, University of Michigan, NYU, VPI, Cornell University, Purdue University, University of California at Berkeley, Sharif University (Iran), UCLA, Technical University of Munich (Germany),</td>
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<tr>
<td><strong>Research Associates</strong></td>
<td>11</td>
<td>MIT CS &amp; AI Laboratory, Stanford University, Aachen University (Germany), NYU Rutgers University (4), Northern Arizona University, Southern Illinois University, John Hopkins University Applied Physics Laboratory (JHPL)</td>
</tr>
<tr>
<td><strong>National and International Research Laboratories and Institutes</strong></td>
<td>15 (5.5%)</td>
<td>IBM TJ Watson Research Center (3), NASA, National Institute of Standards, Sarnoff Corpora., US Army Research Labs, Navy Research Labs, GE Research Labs, Institute of Electronic Devices (China), Lawrence Livermore National Lab, National Institute of Lasers (Romania), Scientific and Technological Research Council (Turkey), Brookhaven National Lab, Advanced Manufacturing Research Center (AMRC, Korea)</td>
</tr>
<tr>
<td><strong>Telecommunication Industries Networking DSP</strong></td>
<td>73 (26.8%)</td>
<td>Lucent/Alcatel-Lucent (12), Qualcomm (17), AT&amp;T (3), Marvel Technology (2), Telecordia (3), Hitachi (2), Broadcom (7), UT Star Telecom, Foursquare (2), Motorola Beijing (China), Robertson Technologies, iBiquity Digital Corp., SONY, Sprint Communications, Symbol Tech., NEC (2), Siemens, Sprint, BBN, Juniper Networks, Thompson, Aruba Networks (2), Ortiva Network, Terrano Wireless, Li Creative Technologies Inc., Akamai, Tempus Labs, FactSet Research Systems, Network Systems, Totemic (2), Samsung, Electronic Arts</td>
</tr>
<tr>
<td><strong>Mathworks, Ford Motor Co, Tesla, General Motors (2), Hyundai (Korea), Snap Inc., Intersil Cor., Novartis Pharmaceutical, Johnson &amp; Johnson, Alaya Tech., Critical Path Institute, Rutgers Global, UTC Aerospace</strong></td>
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<tr>
<td><strong>Computer Companies</strong></td>
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<td>Bloomberg (3), Millenium Capital Partners London, Credit Swiss Boston, JP Morgan, Goldman and Sachs, Barclays Capital, MSCI, Two Sigma Investment, Morgan Stanley, FlexTrade Systems</td>
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<tr>
<td><strong>Financial Companies</strong></td>
<td>12</td>
<td>Bloomberg (3), Millenium Capital Partners London, Credit Swiss Boston, JP Morgan, Goldman and Sachs, Barclays Capital, MSCI, Two Sigma Investment, Morgan Stanley, FlexTrade Systems</td>
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</table>

Table 2: Placement of ECE January 2001 – May 2020 Doctoral Graduates (272 out of 282 doctoral graduates)
   Assistant Research Scientist, National Institute Lasers, Plasma and Radiation Physics, Bucharest, Romania.

   General Motors

   Cernuim Corporation

   Motorola, Beijing, China

   Sarnoff Corporation, Princeton, NJ

   AT&T Professor, Prairie View Texas A&M University

   IBM TJ Watson Research Center, NY

   Broadcom

   UT-Star Telecom

    Associate Professor, Stevens Institute of Technology

    Research Scientists, Hewlett-Packard

    EAFIT University, Medellin, Colombia, Professor and Chair

    Associate Professor, Computer Science & Engineering, Lehigh University

    IBM TJ Watson Research Center, NY
   BBN Company, MA

   Network Systems, Germantown, MD

   Associate Professor, Old Dominion University

   Committee: K. Cheung, M. Parker, and M. Weiner (USC Inc.)
   Intel Corporation

   Professor, Florida State University, Tallahassee, FL

    Technology Team Leader, Aliant

    Qualcomm

22. **Sarah Koskie**, *Contributions to Nash Dynamic Games with Applications to Wireless Communications* (Interdisciplinary Program in Control Theory in Mathematics and Engineering), May 2003. Advisor: Z. Gajic. Committee:
    L. Greenstein, E. Sontag, and J. Kolmos (Mathematics, Rutgers Univ.).
    Associate Professor, Indiana University/Purdue University

    Associate Professor, University of Maine

    SUN Micro Systems

    Mentor Graphics Corporation, Wilsonville, Oregon

    Committee: D. Daut, N. Mandayam, C. Rose, and A. Yener (Penn State Univ.).
    Lucent Technologies, Whippany, NJ

    Telecordia Inc., Member of Technical Staff, NJ


United Silicon Carbide, NJ


Chief System Engineer, US Army CERDEC, NJ

44. **Maoyou Sun**, Electrostatic Discharge Protection for GaAs Devices and Integrated Circuits, May 2005. Advisor: **Y. Lu**. Committee: K. Cheung, M. Parker, K. Sheng, and H. Pham (Industrial Engineering, Rutgers Univ.).

Senior Design Engineer, Vitesse Semiconductor Inc., CA


Professor, University of Florida Gainsville


Microsoft


Assistant Professor California State University Northridge


Google


Assistant Professor, Nankai University, Tianjin, China


Qualcomm, San Diego, CA


Morgan Stanley, NYC, NY


J. P. Morgan Chase, NY


United Silicon Carbide, Inc.


Lucent, Whippany, NJ
   Analytical Engineer, Traid Trek, CT

   Bloomberg, NYC, NY


   Research Scientist, Stanford University

   GE Research Labs, Schenectady, NY

   Alcatel - Lucent

   Computer Scientist, Lawrence Livermore National Lab

   Goldman & Sachs, NYC, NY

   Hitachi

   Marvell Semiconductors, CA

   Lattice Semiconductors, PA

   Wireless Systems Engineer, Alcatel-Lucent

   Scientist, Google

   Bloomberg, NY
   Research Associate, Rutgers University

   Velox Semiconductor Inc., NJ

   Qualcomm, San Diego, CA

   ASK.com

   Researcher at MSCI Inc.

   Qualcomm Flarion Technologies

   Altair, CA

   Aruba Networks, San Jose, CA

   Ortiva Networks, San Diego, CA

   Assistant Professor, Prairie View Texas A&M University

   N. Vidi

   Scientific and Technological Research Council of Turkey

   Associate Professor, University of South Carolina.

Associate Professor, Arizona State University


Associate Professor, China Agricultural University, Beijing


Research Associate, Southern Illinois University, School of Medicine


Qualcomm, San Diego, CA


Toshiba, Minneapolis


Testing Engineer at Intermolecular Inc., CA


Qualcomm Inc., San Diego, CA


Sony R&D, San Diego, CA


Senior Design Engineer, Anadigics, NJ


Qualcomm Inc., Bridgewater, NJ
Device Engineer, Spansion, Inc., CA

Millenum Capital Partners, London

Staff Scientist, EPV Inc., NJ

Senior Engineer, Qualcomm, CA.

Alcatel-Lucent, Inter Digital Communications

Thomson Inc., NJ

Yahoo, Santa Clara, CA

Nokia Research, Polo Alto, CA

Texas Instruments

Alpha & Omega Semiconductor, CA, Sr. Product Engineer

Integrated Solutions Inc., Holmdel, NJ

Credit Swiss, Boston

NEC Labs, Princeton, NJ

Navy Research Labs


Postdoctoral Cornell University


Ford Motor Co.


National Institute of Standards, Maryland


Alcatel-Lucent Murray Hill, NJ


Marvel Technology Group Santa Clara, CA


Postdoctoral Scholar, Northern Arizona University


Xerox, Webster NY


Alcatel-Lucent


AT&T Security Labs


Intel Labs, Hillsboro, OR


Apple


Research Associate, Rutgers University, Department of Physics


Marvel Technology Group, Santa Clara, CA
   Atheros, San Jose, CA

   Committee: L. Greenstein, M. Gruteser, W. Trappe, S. Kishore (Lehigh University).
   Qualcomm, was with Marvel Semiconductors, Santa Clara, CA

   Research Scientist, Aahen University, Germany.

   Google

   Li Creative Technologies Inc.

   Siemens


   Telecordia

   Committee: D. Raychaudhuri, R. Yates, and Hang Liu (Inter Digital Communications, LLC, King of Prussia, PA).
   Inter Digital, PA

   Committee: M. Caggiano, Z. Gajic, V. Radisavljevic (California State University, Los Angeles).
   Cerebrus Corporation, Morris Place, NJ

   Committee: M. Caggiano, Z. Gajic, V. Radisavljevic (California State University, Los Angeles).
   Cerebrus Corporation, Morris Place, NJ

   Committee: M. Caggiano, Y. Lu, and W. Soboyejo (Princeton University).
   Internet Infrastructure Services Corp., NJ

   Aruba Networks, CA

   Google
   Google, CA

   Alcatel-Lucent, Muray Hill, NJ

   Associate Professor, IIIT Delhi

   FlexTrade Systems

   Texas Instruments

   Broadcom, Bangalore, India

156. **Ziqing Duan**, *Morphological Control of Mg_{x}Zn_{1-x}O Layers Grown by MOCVD for Photovoltaics*, May 2012. Advisor: **Y. Lu**. Committee: W. Jiang, J. Jeon, Lai, and F. Coandey (Rutgers Materials Science and Engineering Department).
   Member of Technical Staff, Applied Materials Inc. CA

   Research Associate, Rutgers University.

   AT&T Bell Labs

   Qualcomm

   Akamai, was postdoctoral at UCLA

   Bloomberg

   Broadcom

Aware (Biometrics), Boston, MA

Photonic IC, CA (Bay area)

166. Chieh-Jen Ku, Electrical Characteristics And Stability Of Novel Mg,2zn,80 (0 \leq X \leq 0.06) Thin Film Transistors, May, 2013. Advisor: Y. Lu. Committee: W. Jiang, J. Jeon, W. Lai and D. Birnie (Rutgers University).
Intel

iBiquity Digital Corporation, Member of Technical Staff

Intel Corporation, Process TD Engineer

SandDisk, Senior Device Engineer, Milpitas, CA

 Broadcom, NJ

Qualcomm, Senior Engineer

Assistant Professor, ECE Department, NYIT, NYC

Ass. Professor, I.I.I.T. Delhi, India

 Broadcom, CA

Senior Research Scientist, Computer Science & AI Lab, MIT

Research Scientist, NVIDIA, Holmdel, NJ

Process Integration and Development Engineer, ON Semiconductor, Portland, OR.

    Hyundai, Seoul, Korea, Senior Control Systems Engineer


    Zenefits, San Francisco, CA


    Terrano Wireless, CA


    Broadcom. Inc., NJ


    Senior Principal Scientist, Novartis Pharmaceuticals, NJ.


    Qualcomm, Bridgewater, NJ, Senior Research Engineer


    Assistant Professor Georgia State University


    Global Founders, Senior Engineer


    Assistant Professor Peking University starting in 2016/17.


    Google, Software Engineer


    IBM, NY, postdoctoral


    Applied Materials, Santa Clara, CA, Solar Cell Process Engineer


    Two Sigma Investments, New York, NY, Software Engineer


    Interdigital, BlueBell, PA


    Software Engineer, Facebook, New York.
   Software Development Engineer, Amazon Web Services, Seattle, WA

   Assistant Professor, University of Alabama

   Teaching Assistant Professor, Rutgers University

   Research Scientist, Intel, Portland, OR

   Qualcomm

   Applied Materials, Sunny Valley, CA

Scientist, Applied Physics Laboratory, John Hopkins University, Baltimore, MD


Senior Researcher, Advanced Manufacturing Research Center (AMRC) Korea


Assistant Teaching Professor Rutgers University


Assistant Professor, Yeditepe University, Turkey


Fact Set Research System, NY


Texas Instruments, Dallas.


Postdoctoral Berkeley University


Assistant Professor, Michigan State University


Software Engineer, Tableau Software, Seattle, WA.


Research Associate, Brookhaven National Laboratory


Assistant Professor, University of Basra, Iraq


Assistant Professor Computer Science, Old Dominion University


Intersil Corporation, Bridgewater, NJ


Photonics Design Engineer, IPG Photonics, Piscataway, NJ
    Dailight, Corporation, Farmingdale, NJ

    Johnson & Johnson, Boston

    UTC Aerospace, Princeton, NJ

    Ebay, Data Scientist, Seattle

    Amazon, Polo Alto, CA

    Microsoft

    Marvel Semiconductors, Santa Clara, CA

    Tesla, Data Scientist, CA

    Amazon Seattle.

    General Motors, MI

    Intel

    Research Scientist, Rutgers University

    Assistant Professor University of Thi-Qar, Iraq

    Postdoctoral, UCLA


245. Li Liu, Creating Overview Visualizations for Complex Data Understanding. Jan. 2019. Advisor: D. Silver. Committee: M. Parashar, M. Mammone, I. Rodero, M. Chen (Pembroke College, Oxford University), K. Bemis (Marine Science, Rutgers University). Assistant Professor, Soochow University, China


   Assistant Professor, Louisiana State University

   Facebook, CA

   Senior Engineer, Qualcomm, San Jose, CA

   Computer Vision Engineer, Apple

   Postdoctoral, Purdue University

   Applied Scientist, Amazon

   Senior System Engineer, Qualcomm

   Postdoctoral, Technical University Munich, Germany


   Machine Learning Systems Engineer, Blue Danube Systems, New Providence, NJ

   Perception Engineer, Totemic, Mountain View, CA

   Mathworks

   Data and Applied Scientist, Microsoft, Redwood, WA


   Staff Engineer, InterDigital Inc., New York


Senior Software Engineer, Microsoft, Acton, MA
Rutgers ECE Doctoral Graduates 2001-2020 who hold Faculty Positions

1. Chen WANG, RU 2019, Assistant Professor, Louisiana State University. Advisor: Y. Chen.
2. Jian LIU, RU 2019, Assistant Professor, University of Tennessee, Knoxville. Advisor: Y. Chen.
4. Li LIU, RU 2019, Assistant Professor, Soochow University, China. Advisor: D. Silver.
5. Ghassan BATI, RU 2019, Assistant Professor, Umm Al-Qura University, Saudi Arabia. Advisor: V. Singh.
9. Gorkem CAR, RU 2017, Assistant Professor, Yeditepe University, Turkey. Advisor: M. Gruteser.
10. Shubham JAIN, RU 2017, Assistant Professor, Old Dominion University. Advisor: M. Gruteser.
15. Ashwin ASHOK, RU 2014, Assistant Professor, ECE Georgia State University. Advisor: M. Gruteser.
17. Rishabh DUDHERIA, RU 2013, Assistant Professor, ECE Department, NYIT, NYC. Advisor: W. Trappe.
18. Sanjit Krishnan KAUL, RU 2011, Assistant Professor, IIT, Delhi, India. Advisor: M. Gruteser.
19. Fu-Yi HUNG, RU 2009, Assistant Professor, Tamkang University, Tamsal, Taiwan. Advisor: I. Marsic.
21. Liang XIAO, RU 2009, Professor, Xiamen University, China. Advisor: N. Mandayam.
23. Hongju GAO, RU 2007, Associate Professor, China Agricultural University, Beijing. Advisor: D. Daut.
24. Wenyuan XU, RU 2007, Associate Professor, University of South Carolina. Advisor: W. Trappe.
27. Jack OU, RU 2005, Assistant Professor, California State University Northridge, CA. Advisor: M. Caggiano.
29. Rares F. BOIAN, RU 2005, Associate Professor, University of Babes Boilay, Romania. Advisor G. Burdea.

30. Otilia POPESCU, RU 2004, Associate Professor, Old Dominion University. Advisor: C. Rose


32. Sarah KOSKIE, RU 2003, Associate Professor, Indiana University/Purdue University. Advisor Z. Gajic.

33. Ming YU, Professor, RU 2002, Florida State University Tallahassee. Advisor D. Daut.

34. Dimitrie POPESCU, RU 2002, Associate Professor, Old Dominion University. Advisor C. Rose.

35. Liang CHENG, RU 2002, Associate Professor, Lehigh University. Advisor I. Marsic.


37. Cristina COMANICIU, RU 2002, Associate Professor, Stevens Institute of Technology. Advisor N. Mandayam.

38. Lijun QIAN, RU 2001, AT& T Professor, Prairie View Texas A&M University. Advisor Z. Gajic.
Rutgers ECE PhDs Who Graduated before January 2001 and Who Hold Faculty Positions

1. Aylin YENER, Roy and Lois Chope Professor, Ohio State University, RU 2000, advisor R. Yates.
2. Sennur ULUKUS, Anthony Ephremides Professor, University of Maryland, RU 1998, advisor R. Yates.
3. Mohammad SAQUIB, Professor, University of Texas at Dallas, RU 1998, advisor R. Yates.
4. Jia-Chyi WU, Associate Professor, National Taiwan Ocean University, RU 1998, advisor D. Daut.
5. Christi MADSEN, Professor, Texas A&M University, RU 1996, advisor J. Zhao.
7. Ching Yao HUANG, Professor and Associate Dean, National Chiao Tung University, Taiwan. RU 1995. Advisor R. Yates.
8. Myo Taeg LIM, Professor, Korea University, RU 1994, advisor N. Puri/Gajic.
9. Steven L. GAY (GRANT), Professor, University of Missouri Rolla, RU 1994, advisor R. Mammine.
11. David R. KAELI, Professor, Northeastern University, RU 1992, advisor H. Freeman.
12. Lawrence A. HORNAK, Professor & NSF Program Director, West Virginia University, RU 1991, advisor B. Lalevic.
16. Xueemin SHEN, University Professor, University of Waterloo, Canada, RU 1990, advisor Z. Gajic.
17. Byung Moo MOON, Professor, Korea University, RU 1990, advisor B. Lalevic.
18. Weng Poo KANG, Professor, Vanderbilt University, RU 1988, advisor B. Lalevic.
19. Steven CHIN, Professor & Associate Dean, Rowan University, RU 1987, advisor D. Daut.
# ECE Doctoral Dissertation Advisors - January 2001 to May 2020 and Number of Dissertations Supervised

(282 Dissertations from January 2001 to May 2020)

<table>
<thead>
<tr>
<th>Rating</th>
<th>Advisor(s) Details</th>
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<tbody>
<tr>
<td>22.83*</td>
<td>Mandayam</td>
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<tr>
<td>17</td>
<td>Lu, Parashar</td>
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<tr>
<td>14.5*</td>
<td>Zhao</td>
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<td>13.83*</td>
<td>Raychaudhuri,</td>
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<td>Daut, Spasojevic</td>
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<td>Zhang</td>
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<td>Jiang, Petropulu</td>
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<td>Mammone</td>
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<td>Lindqvist, Rose, Michel-Tzanakou (Biomed)</td>
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<td>Burdea, Chen, Javanmard, Rabiner</td>
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<td>1.5*</td>
<td>Patel, Sheng, Soljanin</td>
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<td>1.33*</td>
<td>Greenstein (WINLAB)</td>
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<td>Bouzit, Caggiano, Cheung, Chhowala, El Rouayheb, Foran (Bioinformatics-Medical School), Feldman (Physics), Godrich, Hsiao, Li (Biomed), Jeon, Oh (Physics), Parker, Puri, Cheong (Physics), Madigan (Statistics), Olgieski (WINLAB), Singh (Library and Information Science), Sarwate, Sontag (Math), Tremaine (CAIP)</td>
</tr>
<tr>
<td>0.5*</td>
<td>Jha, Fabris (MSE), Turilli, Wilder (CAIP)</td>
</tr>
<tr>
<td>0.33*</td>
<td>Foschini (AT&amp;T Bell Labs)</td>
</tr>
</tbody>
</table>

* 0.5 for two dissertation advisors; 0.33 for three dissertation advisors; 1 for one dissertation advisor