Electrical and Computer Engineering, Rutgers University
with Student Placement Information

Updated October 31, 2016

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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>
</tr>
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<tbody>
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<td>2001</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>9</td>
<td>9</td>
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<td>2002</td>
<td>3</td>
<td>3</td>
<td>4</td>
<td>10</td>
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<td>2</td>
<td>3</td>
<td>5</td>
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<tr>
<td>2006</td>
<td>2</td>
<td>2</td>
<td>5</td>
<td>9</td>
<td>58</td>
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<tr>
<td>2007</td>
<td>2</td>
<td>8</td>
<td>16</td>
<td>26</td>
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<td>2008</td>
<td>11</td>
<td>6</td>
<td>4</td>
<td>21</td>
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<td>5</td>
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<td>190</td>
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<tr>
<td>2016</td>
<td>4</td>
<td>4</td>
<td>5</td>
<td>13</td>
<td>203</td>
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<tr>
<td>Average per year</td>
<td></td>
<td></td>
<td></td>
<td>12.69</td>
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</tbody>
</table>

Table 1: Number of the ECE Doctoral Dissertations from 2001-2016
<table>
<thead>
<tr>
<th>Institutions</th>
<th>Number of Students</th>
<th>Universities/Companies</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Universities</strong></td>
<td><strong>39 (20.4%)</strong></td>
<td>University of Maine, Beijing University China, Nankai University China, University of Kentucky, Arizona State University, Sonoma State University, CA, Prairie View Texas A&amp;M University, Rutgers University, HII New Delhi (2), Tamkang University Taiwan</td>
</tr>
<tr>
<td>Assistant Professors</td>
<td>11</td>
<td>Lehigh University, Old Dominion University, Stevens Inst. of Technology, University of South Carolina, Indiana University/Purdue University, Xiamen University, China, University of Babes Boilay Romania, University of Florida, Gainsville</td>
</tr>
<tr>
<td>Associate Professors</td>
<td>8</td>
<td>Lehigh University, Old Dominion University, Stevens Inst. of Technology, University of South Carolina, Indiana University/Purdue University, Xiamen University, China, University of Babes Boilay Romania, University of Florida, Gainsville, Rutgers University</td>
</tr>
<tr>
<td>Professors</td>
<td>3</td>
<td>EAFIT Univ, Columbia, Prairie View Texas A&amp;M Univ. Florida State University</td>
</tr>
<tr>
<td>Post-doctoral students</td>
<td>11</td>
<td>University of Virginia, Stanford University, Cornell University, CMU (2), Columbia University, Rutgers University (3), Toyota Research Center, Tokyo, Southern Illinois University, School of Medicine</td>
</tr>
<tr>
<td>Research Associates</td>
<td>4</td>
<td>Harvard University, Rutgers University (2), University of Leicester, UK</td>
</tr>
<tr>
<td>Lecturers</td>
<td>2</td>
<td>Old Dominion University, Rutgers University</td>
</tr>
<tr>
<td>Laboratories and Institutes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Telecommunication Industries/Networking</td>
<td>65 (34.0%)</td>
<td>Lucent/Alcatel-Lucent (12), Qualcomm (13), AT&amp;T (4), Marvel Technology (2), Telecordia (4), Hitachi (2), Broadcom (7), UT Star Telecom, Motorola Beijing China, Robertson Technologies, iBiquity Digital Corp., Spirent Communications, Hughes Network Systems, Symbol Technologies, NEC (2), Siemens, Sprint, Juniper Networks, SONY, BBN, Thompson, Aruba Networks (2), Oritz Network, Terrano Wireless, Li Creative Technologies Inc., Hyundai, Akamai</td>
</tr>
</tbody>
</table>

Table 2: Placement of ECE January 2001 – October 2016 Doctoral Graduates (191 out of 203 graduates)
   Research Scientist, Harvard University

   General Motors

   Cernuim Corporation

   Motorola, Beijing, China

   Sarnoff Corporation, Princeton, NJ

   Professor, Prairie View Texas A&M University

   Committee: P. Meer, J. Wilder, S. Roukas (IBM T. J. Watson).
   IBM TJ Watson Research Center, NY

   Broadcomm

   UT-Star Telecom

    Associate Professor, Stevens Institute of Technology

    Research Scientists, Hewlett-Packard

    EAFIT University, Medellin, Colombia, Professor and Chair

    Lehigh University, Associate Professor


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

23. **Nuri William Emanetoglu**, ZnO and Mg_{x}Zn_{1-x}O Based Multilayer Structure for Tunable Surface Acoustic Wave Devices, May 2003. Advisor: Y. Lu. Committee: P. Cheung, M. Parker, and A. Ballato (US Army CECOM). Assistant Professor, University of Maine


   Advisor: **Y. Lu**. Committee: K. Cheung, M. Parker, and E. Armour (Turbodisc Div., Veeco Inc.).
   Charter Semiconductors Inc.

   Advisor: **G. Burdea**. Committee: Z. Gajic, M. Parashar, D. Silver, and J. Deutsch (UMDNJ).
   Associate Professor, University of Babes Boilay, CS Dep. Romania

   Advisor: **J. Zhao**. Committee: M. Parker, K. Sheng, and M. Weiner (United Silicon Carbide Inc.).
   United Silicon Carbide, NJ

   Advisor: **J. Zhao**. Committee: M. Parker, K. Sheng, and M. Weiner (United Silicon Carbide Inc.).
   United Silicon Carbide, NJ

   Advisor: **Y. Lu**. Committee: M. Parker, K. Sheng, and A. Ballabo (US Army CECOM).
   Chief System Engineer, US Army CEREDEC, 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

   Advisor: **M. Parashar**. Committee: I. Marsic, D. Silver, Y. Zhang, and H. Pham (Industrial Engineering, Rutgers Univ.).
   Associate Professor, University of Florida Gainsville

   Advisor: **M. Parashar**. Committee: I. Marsic, D. Silver, and Y. Zhang, and J. Ray (Sandia National Laboratories).
   Microsoft

   Advisor: **M. Caggiano**. Committee: D. Daut, S. McAfee, and J. Khoury (Bell Labs., NJ).
   Sonoma State University, Assistant Professor

   Advisor: **M. Parashar**. Committee: P. Meer, D. Silver, Y. Zhang, and R. Subramanian (School of Business, Quinnipiac Univ.).
   Google

   Advisor: **K. Dana**. Committee: I. Marsic, P. Meer, and A. Elgammal (Computer Science, Rutgers Univ.).
   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


   Postdoctoral, 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. Vidia


Scientific and Technological Research Council of Turkey


Associate Professor, University of South Carolina.


Assistant Professor, Arizona State University


Assistant Professor, Beijing University, China


Postdoctoral, Southern Illinois University, School of Medicine.
   Qualcomm, San Diego, CA

   Toshiba, Minneapolis

   Testing Engineer at Intermolecular Inc., CA

   Qualcomm Inc., San Diego, CA

   Spirent Communications

   Sony R&D, San Diego, CA

   Testing Engineer at Intermolecular Inc., CA

   Institute of Electronic Devices, China

   Senior Design Engineer, Anadigics, NJ

   Qualcomm Inc., Bridgewater, NJ

   Device Engineer, Spansion, Inc., CA

   HBK Capitol, Dallas, TX
   
   Staff Scientist, EPV Inc., NJ

   
   Senior Engineer, Qualcomm, CA

   
   Alcatel-Lucent, Inter Digital Communications

   
   Thomson Inc., NJ

   
   Yahoo, Santa Clara, CA

   
   Nokia Research, Palo 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
   Alcatel-Lucent, MTS

    Hitachi Labs, San Jose, CA

    Associate Professor, Xiamen University, China

112. Lin Yang, Robust Segmentation and Object Classification in Natural and Medical Images, May 2009.
    Assistant Professor, University of Kentucky, Lexington, KY

    Microsoft

    Computer Associates, CA

    Barclays Capital, Vice-President

    Assistant Professor, Tamkang University, Tamsul, Taiwan

    United Silicon Carbide

    Broadcom

    Juniper Networks, Fremont, CA

AT&T, Middletown, NJ

Robertson Technologies

Postdoctoral Cornell University

Ford Motor Co.

National Institute of Standards, Maryland

Alcatel-Lucent Murray Hill, NJ

Marvel Technology Group Santa Clara, CA

Research Associate, University of Leicester, UK

Xerox, Webster NY

Alcatel-Lucent

AT&T Security Labs

Intel Labs, Hillsboro, OR

Apple


Rutgers University, Department of Physics, Researcher.


Marvel Technology Group, Santa Clara, CA


Atheros, San Jose, CA


Qualcom, was with Marvel Semiconductors, Santa Clara, CA


Postdoctoral, Toyota Research Center, Tokyo.


Google


Li Creative Technologies Inc.


Siemens


Telecordia
Inter Digital, PA

Cerebrus Corporation, Morris Place, NJ

Cerebrus Corporation, Morris Place, NJ

Internet Infrastructure Services Corp., NJ

Aruba Networks, CA

Google

Columbia University, Postdoctoral

Alcatel-Lucent, Murray Hill, NJ

Assistant Professor, IIIT Delhi

FlexTrade Systems

Texas Instruments
   Advisor: **P. Spasojevic**. Committee: D. Daut, S. Orfanidis, R. Yates, and Dr. Hong (Broadcom Wideband Communication Group, Irvine, CA).
   Broadcom, Bangalore, India

156. **Ziqing Duan**, *Morphological Control of Mg$_x$Zn$_{1-x}$O Layers Grown by MOCVD for Photovoltaics*, May 2012.
    Member of Technical Staff, Applied Materials Inc. CA

    Postdoctoral Rutgers University.

    Advisor: **M. Gruteser**. Committee: D. Raychaudhuri, W. Trappe, and R. Martin (Computer Science, Rutgers).
    AT&T Bell Labs

    Qualcomm

    Akamai, was postdoctoral at UCLA

    Advisor: **D. Pompili**. Committee: M. Parashar, I. Marsic, and U. Kremer (Rutgers Computer Science Department).
    Bloomberg

    Advisor: **A. Petropulu**. Committee: W. Bajwa, P. Spasojevic, W. Trappe, and H. Li (Stevens Institute of Technology).
    Broadcom

    Qualcomm, CA

    Aware (Biometrics), Boston, MA

    Photonic IC, CA (bay area)
166. **Chieh-Jen Ku**, Electrical Characteristics And Stability Of Novel $M_{g,x}Zn_{1-x}$ $(0 \leq X \leq 0.06)$ Thin Film Transistors, May, 2013. Advisor: **Y. Lu**. Committee: W. Jiang, J. Jeon, W. Lai and D. Birnie (Rutgers University).


    Hyundai, Seoul, Korea, Senior Control Systems Engineer

    Zenefits, San Francisco, CA

    Terrano Wireless, CA

    Broadcom, Inc., NJ

    Schlumberger-Doll, Research Scientist, Cambridge, MA.

    Qualcomm, Bridgewater, NJ, Senior Research Engineer

    Carnegie Mellon University, postdoctoral

    Global Founders, Senior Engineer

    Committee: W. Trappe, R. Martin, and Y. Chen (Stevens Institute of Technology).
    Carnegie Mellon University, postdoctoral (Assistant Professor, Peking University in 2016/17)

    Committee: M. Gruteser, N. Mandayam, Y. Zhang, and A. Elgammal (Rutgers, Computer Science).
    Google, Software Engineer

    IBM, NY, postdoctoral

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

    Two Sigma Investments, New York, NY, Software Engineer.


Rutgers ECE Doctoral Graduates 2001-2016 who hold Faculty Positions

1. Saket ANAND, Assistant Professor, Indraprastha Inst. of Info. Tech., Delhi, RU 2013, advisor P. Meer.
2. Sanjit Krishnan KAUL, Assistant Professor, IIT, Delhi, RU 2011, advisor M. Gruteser.
3. Fu-Yi HUNG, Assistant Professor, Tamkang University, Tamsal, Taiwan, RU 2009, advisor I. Marsic.
4. Lin YANG, Assistant Professor, University of Kentucky, Lexington, RU 2009, advisor P. Meer.
5. Liang XIAO, Associate Professor, Xiamen University, China, RU 2009, advisor N. Mandayam.
7. Hongju GAO, Assistant Professor, Beijing University, RU 2007, advisor D. Daut.
8. Wenyuan XU, Associate Professor, University of South Carolina, RU 2007, advisor W. Trappe.
9. Xiangfang LI, Assistant Professor, Prairie View Texas A&M University, RU 2007, advisor Z. Gajic.
10. Lalitha SANKAR, Assistant Professor, Arizona State University, RU 2007, advisor N. Mandayam.
11. Jing WANG, Assistant Professor, Nankai University, Tianjin, China, RU 2005, advisor K. Dana.
12. Jack OU, Assistant Professor, Sonoma State University, CA, RU 2005, advisor M. Caggiano.
13. Xiaolin LI, Associate Professor, University of Florida Gainsville, RU 2005, advisor M. Parashar.
14. Rares F. BOIAN, Associate Professor, University of Babes Boilay, Romania, RU 2005, advisor G. Burdea.
15. Nuri William EMANETOGLU, Assistant Professor, University of Maine, RU 2003, advisor Y. Lu.
16. Sarah KOSKIE, Associate Professor, Indiana University/Purdue University, RU 2003, advisor Z. Gajic.
17. Ming YU, Associate Professor, Florida State University Tallahassee, RU 2002, advisor D. Daut.
18. Dimitrie POPESCU, Associate Professor, Old Dominion University, RU 2002, advisor C. Rose.
19. Liang CHENG, Associate Professor, Lehigh University, RU 2002, advisor I. Marsic.
21. Cristina COMANICIU, Associate Professor, Stevens Institute of Technology, RU 2002, advisor N. Mandayam.
22. Lijun QIAN, Professor, Prairie View Texas A&M University, RU 2001, advisor Z. Gajic.
Rutgers ECE PhDs Who Graduated before January 2001 and Who Hold Faculty Positions
(the list is not complete)

1. Aylin YENER, Professor, Pennsylvania State University, RU 2000, advisor R. Yates.
2. Sennur ULUKUS, 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. Mammone.
10. Khaled ASSALEH, Professor and Graduate Director, American University of Sharjah, RU 1993, advisor R. Mammone.
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. Xuemin SHEN, 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 October 2016
and Number of Dissertations Supervised
(203 Dissertations 2001-2016)

19.33* Mandayam
15 Lu, Parashar
14.5* Zhao
11.83* Yates
10.33 Trappe
10 Daut
9 Spasojevic
8.33* Raychaudhuri
8 Marsic
7 Gajic, Zhang
6.5* Gruteser, Silver
6 Bushnell, Meer
4 Mammone
3 Dana, Jiang, Pompili, Rose, Petropulu and Micheli-Tzanakou (Biomed)
2 Burdea and Rabiner
1.5* Sheng
1.33 Greenstein (WINLAB)
1 Bouzit, Caggiano, Cheung, Chhowala, Feldman, Hsiao, Lindqvist, Parker,
Puri, Cheong (Physics), Madigan (Statistics), Olgieski (WINLAB), Sontag (Math),
and Tremaine (CAIP)
0.5* Wilder (CAIP)
0.33* Foschini (AT&T Bell Labs)

* 0.5 for two advisors (10 dissertations had two advisors)
0.33 for three advisors (1 dissertation had three advisors)
1 for one advisor (169 dissertations had one advisor)