Electrical and Computer Engineering, Rutgers University  
with Student Placement Information  
Updated June 1, 2015

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<table>
<thead>
<tr>
<th>Year</th>
<th>January</th>
<th>May</th>
<th>October</th>
<th>Total</th>
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<tr>
<td>2006</td>
<td>2</td>
<td>2</td>
<td>5</td>
<td>9</td>
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<tr>
<td>2007</td>
<td>2</td>
<td>8</td>
<td>16</td>
<td>26</td>
</tr>
<tr>
<td>2008</td>
<td>11</td>
<td>6</td>
<td>4</td>
<td>21</td>
</tr>
<tr>
<td>2009</td>
<td>4</td>
<td>5</td>
<td>7</td>
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<td>2014</td>
<td>3</td>
<td>3</td>
<td>5</td>
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<tr>
<td>2015</td>
<td>3</td>
<td>1</td>
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<td>Average per year 2015 not counted 13.29</td>
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Table 1: Number of ECE Doctoral Dissertations Defended from 2001-2015
<table>
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<tr>
<th>Institutions</th>
<th>Number of Students</th>
<th>Universities/Companies</th>
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<tr>
<td><strong>Universities</strong></td>
<td>37 (19.5%)</td>
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<tr>
<td><strong>Assistant Professors</strong></td>
<td>10</td>
<td>University of Maine, Beijing University China</td>
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<tr>
<td></td>
<td></td>
<td>Nankai University China, University of Kentucky,</td>
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<td></td>
<td></td>
<td>Arizona State University, Sonoma State University, CA</td>
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<td></td>
<td></td>
<td>Prairie View Texas A&amp;M University</td>
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<tr>
<td></td>
<td></td>
<td>IIT New Delhi (2), Tamkang University Taiwan</td>
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<tr>
<td><strong>Associate Professors</strong></td>
<td>8</td>
<td>Lehigh University, Old Dominion University</td>
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<tr>
<td></td>
<td></td>
<td>Stevens Inst. of Technology, University of South Carolina,</td>
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<tr>
<td></td>
<td></td>
<td>Indiana University/Purdue University</td>
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<tr>
<td></td>
<td></td>
<td>Xiamen University, China</td>
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<tr>
<td></td>
<td></td>
<td>University of Babes Boilay Romania</td>
</tr>
<tr>
<td></td>
<td></td>
<td>University of Florida, Gainsville</td>
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<tr>
<td><strong>Professors</strong></td>
<td>3</td>
<td>EAFIT Univ, Columbia, Prairie View Texas A&amp;M Univ.</td>
</tr>
<tr>
<td><strong>Post-doctoral students</strong></td>
<td>10</td>
<td>Florida State University</td>
</tr>
<tr>
<td></td>
<td></td>
<td>University of Virginia</td>
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<tr>
<td></td>
<td></td>
<td>Stanford University, Cornell University, CMU (2)</td>
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<td></td>
<td></td>
<td>Columbia University, Rutgers University (2)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Toyota Research Center, Tokyo</td>
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<tr>
<td></td>
<td></td>
<td>Southern Illinois University, School of Medicine</td>
</tr>
<tr>
<td><strong>Research Associates</strong></td>
<td>4</td>
<td>Harvard University, Rutgers University (2), University of</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Leicester, UK</td>
</tr>
<tr>
<td><strong>Lecturers</strong></td>
<td>2</td>
<td>Old Dominion University, Rutgers University</td>
</tr>
<tr>
<td><strong>National/International Laboratories and Institutes</strong></td>
<td>15 (7.9%)</td>
<td>IBM T3 Watson Research Center (3)</td>
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<tr>
<td></td>
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<td>NASA, National Institute of Standards, Sarnoff Corp.</td>
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<tr>
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<td>US Army Research Labs, Navy Research Labs</td>
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<tr>
<td></td>
<td></td>
<td>General Motors, GE Research Labs, Ford Motor Co.</td>
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<tr>
<td></td>
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<td>Institute of Electronic Devices China, Lawrence</td>
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<tr>
<td></td>
<td></td>
<td>Livermore National Lab, Schlumberger-Doll, Scientific and</td>
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<tr>
<td></td>
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<td>Techol. Research Council of Turkey</td>
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<tr>
<td><strong>Telecommunication Industries/Networking</strong></td>
<td>65 (34.2%)</td>
<td>Lucent/Alcatel-Lucent (12), Qualcomm (13), AT&amp;T (4)</td>
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<tr>
<td></td>
<td></td>
<td>Marvel Technology (2), Telecordia (4), Hitachi (2)</td>
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<tr>
<td></td>
<td></td>
<td>Broadcom (7), UT Star Telecom, Motorola Beijing China,</td>
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<tr>
<td></td>
<td></td>
<td>Robertson Technologies, iBiquity Digital Corp.</td>
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<td>Sprent Communications, Hughes Network Systems, Symbol</td>
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<td></td>
<td></td>
<td>Technologies, NEC (2), Siemens,</td>
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<td></td>
<td></td>
<td>Sprint, Juniper Networks, SONY, BBN, Thompson,</td>
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<td></td>
<td></td>
<td>Aruba Networks (2), Ortiva Network, Terrano Wireless</td>
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<tr>
<td></td>
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<td>Li Creative Technologies Inc., Hyundai, Akamai</td>
</tr>
<tr>
<td><strong>Semiconductor and Car Industries</strong></td>
<td>25 (13.2%)</td>
<td>United Silicone Carbide (4), Intermolecular Inc. (2)</td>
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<tr>
<td></td>
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<td>Charter Semiconductors, Spansion, Photonic IC</td>
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<td>Vitesse Semiconductor Inc., Traid Trek, Anadigics</td>
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<td>Marvel Semiconductors, Lattice Semiconductors</td>
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<td>Velox Semiconductor Inc., EPV Inc, Global Founders,</td>
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<td>Texas Instruments (2), Cerebrus Coorporation (2)</td>
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<td>Alpha &amp; Omega Semiconductor CA, Applied Materials Inc. CA</td>
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<td>(2), SandDisk</td>
</tr>
<tr>
<td><strong>Computer Industries</strong></td>
<td>45 (23.7%)</td>
<td>Google (5), Toshiba (2), Xerox, Intel (5), ASK.com</td>
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<tr>
<td></td>
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<td>Yahoo, Microsoft (2), Apple, Hewlett Packard, Inter</td>
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<td>Digital, Cernuum Corp., Computer Associates CA, Atheros,</td>
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<td></td>
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<td>CA, Aliant, Trano Mets, Altair, Integrated Solutions,</td>
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<tr>
<td></td>
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<td>SUN Micro Systems, N. Vidia, Nokia</td>
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<td></td>
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<td>Research, Zbenfit, Internet Infrastructure Corp., MJ,</td>
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<tr>
<td></td>
<td></td>
<td>Aware, MA, Mentor Graphics, OR</td>
</tr>
<tr>
<td><strong>Financial Companies</strong></td>
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<td>Bloomberg (3), HBK Capital, Credit Swiss Boston</td>
</tr>
<tr>
<td></td>
<td></td>
<td>JP Morgan, Goldman and Sachs, Barclays Capital, MSCI</td>
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<tr>
<td></td>
<td></td>
<td>Two Sigma Investment, Morgan Stanley, FlexTrade Systems</td>
</tr>
</tbody>
</table>

Table 2: Placement of ECE January 2001 – May 2015 Doctoral Graduates (187 out of 190 graduates)
   Research Scientist, Harvard University

   General Motors

   Cernuim Corporation

   Motorola, Beijing, China

   Sarnoff Corporation, Princeton, NJ

   Professor, Prairie View Texas A&M University

   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
   IBM TJ Watson Research Center, NY

   BBN Company, MA

   Committee: N. Mandayam, D. Raychaudhuri, and H. Liu (Tellium Inc.)
   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

    Committee: I. Marsic, M. Parashar, J. Wilder, and I. Carlbom (Lucent Technologies).
    Technology Team Leader, Aliant

    Qualcomm

    Associate Professor, Indiana University/Purdue University

    Assistant Professor, University of Maine

    SUN Micro Systems

    Mentor Graphics Corporation, Wilsonville, Oregon


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

   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 Silicone Carbide, NJ

   United Silicone Carbide, NJ

   Chief System Engineer, US Army CEREDEC, NJ

   Senior Design Engineer, Vitesse Semiconductor Inc., CA

   Associate Professor, University of Florida Gainsville

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

   Sonoma State University, Assistant Professor

   Google

   Committee: I. Marsic, P. Meer, and A. Elgammal (Computer Science, Rutgers Univ.).
   Assistant Professor, Nankai University, Tianjin, China


55. **Pan Wu**, Fe-doped ZnO Film and Nanostructures for Spintronics, Oct. 2006. Advisor: Y. Lu. Committee: K. Cheung, M. Parker, and R. Bartynski (Physics, Rutgers Univ.). Analytical Engineer, Traid Trek, CT


   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, Sand 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


Spirent Communications


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

Advisor: M. Gruteser. Committee: R. Yates, Y. Zhang, H. Xiong (MSIS Department, Rutgers University, Newark).  
Nokia Research, Polo Alto, CA

Texas Instruments

Alpha & Omega Semiconductor, CA, Sr. Product Engineer

Advisor: I. Marsic. Committee: M. Parashar, Y. Zhang, and Dr. J. Sucec (Telecordia Technologies, Piscataway, NJ).  
Integrated Solutions Inc., Holmdel, NJ

Credit Swiss, Boston

NEC Labs, Princeton, NJ

Navy Research Labs

Advisor: N. Mandayam. Committee: C. Rose, R. Yates, D. Goodman (Polytechnic University) and Dr. S. Grandhi (Intel Digital Corporation).  
Alcatel-Lucent, MTS
   Hitachi Labs, San Jose, CA


   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, Santa Clara, CA

   Qualcomm, 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, Muray Hill, NJ

Assistant Professor, IIIT Delhi

FlexTrade Systems

Texas Instruments

Broadcom, Bangalore, India
156. **Ziqing Duan**, *Morphological Control of $\text{Mg}_x\text{Zn}_{1-x}\text{O}$ Layers Grown by MOCVD for Photovoltaics*, May 2012. Advisor: Y. Lu. Committee: W. Jiang, J. Jeon, Lai, and F. Cosandey (Rutgers Materials Science and Engineering Department). Member of Technical Staff, Applied Materials Inc. CA


166. **Chieh-Jen Ku**, *Electrical Characteristics And Stability Of Novel $\text{Mg}_x\text{Zn}_{1-x}\text{O}$ ($0 \leq X \leq 0.06$) Thin Film Transistors*, May, 2013. Advisor: Y. Lu. Committee: W. Jiang, J. Jeon, W. Lai and D. Birnie (Rutgers University). Intel

   Intel Corporation, Process TD Engineer

   SandDisk, Senior Device Engineer, Milpitas, CA

   Broadcom, NJ

   Qualcomm, Senior Engineer


   Indraprastha Institute of Information Technology, I.I.T. Delhi, India Assistant Professor

   Broadcom, CA

   Postdoctoral, University of Virginia

   Lecturer at Rutgers University and co-founder of InPoint Systems company

   Rutgers University, Department of Material Sciences and Engineering, Postdoctoral

   Hyundai, Seoul, Korea, Senior Control Systems Engineer

   Zenefits, San Francisco, CA

17
   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

   Carnegie Mellon University, postdoctoral (Assistant Professor, Peking University 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.
Rutgers ECE Doctoral Graduates 2001-2015 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 Ph. Ds 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. Mamone.
10. Khaled ASSALEH, Professor and Graduate Director, American University of Sharjah, RU 1993, advisor R. Mamone.
11. David R. KAEILI, 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 - Jan. 2001 to May 2015 and
Number of Dissertations Supervised

(190 Dissertations 2001-2015)

18.83* Mandayam
15   Lu
14.5*  Zhao
14   Parashar
9.83*  Yates
9    Daut, Spasojevic, Trappe
7.5*  Raychaudhuri
7    Marsic
6.5*  Gruteser, Silver
6    Bushnell, Gajic, Meer, Zhang
4    Mammonne
3    Dana, Jiang, Pompili, Rose, and Micheli-Tzanakou (Biomedical Eng.)
2    Burdea and Rabiner
1.5*  Sheng
1    Bouzit, Caggiano, Cheung, Chhowala, Feldman, Hsiao, Parker, Petropulu,
Puri, Cheong (Physics), Greenstein (WINLAB), 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)