List of Doctoral Dissertations Jan. 2001 – May. 2018
Electrical and Computer Engineering, Rutgers University
with Student Placement Information

Updated May 21, 2018

CONTENT:

Page 2: Table 1. Number of ECE Doctoral Graduates per Year January 2001 – May 2018
Page 3: Table 2. Placement Information for Jan 2001 – May 2018 Doctoral Graduates
(233 graduated doctoral students)
Page 4: List of Students, Dissertations, Advisors, Committee Members, and Defense Dates
Page 21: List of ECE Doctoral Graduates Who Hold Faculty Positions
Page 22: Rutgers ECE PhDs Who Graduated before January 2001 and Who Hold Faculty Positions
Page 23: List of ECE Doctoral Advisors
<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>
</thead>
<tbody>
<tr>
<td>2001</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>9</td>
<td>9</td>
</tr>
<tr>
<td>2002</td>
<td>3</td>
<td>3</td>
<td>4</td>
<td>10</td>
<td>19</td>
</tr>
<tr>
<td>2003</td>
<td>2</td>
<td>2</td>
<td>5</td>
<td>9</td>
<td>28</td>
</tr>
<tr>
<td>2004</td>
<td>1</td>
<td>5</td>
<td>5</td>
<td>11</td>
<td>39</td>
</tr>
<tr>
<td>2005</td>
<td>2</td>
<td>3</td>
<td>5</td>
<td>10</td>
<td>49</td>
</tr>
<tr>
<td>2006</td>
<td>2</td>
<td>2</td>
<td>5</td>
<td>9</td>
<td>58</td>
</tr>
<tr>
<td>2007</td>
<td>2</td>
<td>8</td>
<td>16</td>
<td>26</td>
<td>84</td>
</tr>
<tr>
<td>2008</td>
<td>11</td>
<td>6</td>
<td>4</td>
<td>21</td>
<td>105</td>
</tr>
<tr>
<td>2009</td>
<td>4</td>
<td>5</td>
<td>7</td>
<td>16</td>
<td>121</td>
</tr>
<tr>
<td>2010</td>
<td>2</td>
<td>6</td>
<td>7</td>
<td>15</td>
<td>136</td>
</tr>
<tr>
<td>2011</td>
<td>7</td>
<td>4</td>
<td>5</td>
<td>16</td>
<td>152</td>
</tr>
<tr>
<td>2012</td>
<td>2</td>
<td>4</td>
<td>4</td>
<td>10</td>
<td>162</td>
</tr>
<tr>
<td>2013</td>
<td>1</td>
<td>4</td>
<td>8</td>
<td>13</td>
<td>175</td>
</tr>
<tr>
<td>2014</td>
<td>3</td>
<td>3</td>
<td>5</td>
<td>11</td>
<td>186</td>
</tr>
<tr>
<td>2015</td>
<td>3</td>
<td>1</td>
<td>0</td>
<td>4</td>
<td>190</td>
</tr>
<tr>
<td>2016</td>
<td>4</td>
<td>4</td>
<td>5</td>
<td>13</td>
<td>203</td>
</tr>
<tr>
<td>2017</td>
<td>2</td>
<td>10</td>
<td>11</td>
<td>23</td>
<td>226</td>
</tr>
<tr>
<td>2018</td>
<td>2</td>
<td>5</td>
<td></td>
<td></td>
<td>233</td>
</tr>
</tbody>
</table>

| Average per year | 13.29 (Excluding 2018) |

Table 1: Number of the ECE Doctoral Dissertations per Year, 2001-2018
<table>
<thead>
<tr>
<th>Institutions</th>
<th>Number of Students</th>
<th>Universities/Companies</th>
</tr>
</thead>
<tbody>
<tr>
<td>Universities</td>
<td>46 (20.8%)</td>
<td>University of Maine, Beijing University, China, Nankai University, University of Kentucky, Arizona State University, Sonoma State University, CA, Prairie View Texas A&amp;M University, Rutgers University, IIT New Delhi, Tamkang University, Taiwan, Peking University, Georgia State University, Yeditepe University</td>
</tr>
<tr>
<td>Assistant Professors</td>
<td>13</td>
<td>University of Maine, Beijing University, China, Nankai University, University of Kentucky, Arizona State University, Sonoma State University, CA, Prairie View Texas A&amp;M University, Rutgers University, IIT New Delhi, Tamkang University, Taiwan, Peking University, Georgia State University, Yeditepe University</td>
</tr>
<tr>
<td>Associate Professors</td>
<td>9</td>
<td>Lehigh University, Old Dominion University, Stevens Inst. of Technology, University of South Carolina, Indiana University/Purdue University, Xiamen University, China, University of Sabres Bolay Romania, University of Florida, Gainsville</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>15</td>
<td>University of Virginia, Princeton University, Stanford University, Cornell University, KERI (Korea), Rutgers University, University of California, Berkeley, Toyota Research Center, Tokyo, Korea Research Labs, Southern Illinois University, School of Medicine, Sharif University</td>
</tr>
<tr>
<td>Research Associates</td>
<td>4</td>
<td>Harvard University, Rutgers University, University of Leicester, UK</td>
</tr>
<tr>
<td>Lecturers</td>
<td>2</td>
<td>Old Dominion University, Rutgers University</td>
</tr>
</tbody>
</table>

Table 2: Placement of ECE January 2001 – May 2018 Doctoral Graduates (221 out of 233 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

   Broadcom

   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


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


Associate Professor, Indiana University/Purdue University


Assistant 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

   Symbol Technologies, Rockville, MD

   Alcatel - Lucent, NJ

   Lecturer, Old Dominion University, VA

   Trano - Mts, CA

   Alcatel - Lucent, NJ

   Telecordia

   NEC, Princeton

   Alcatel - Lucent, Whippany, NJ

   Intel Corporation

   Sprint Technologies

   Charter Semiconductors Inc.

   Associate Professor, University of Babes Boilay, CS Dep. Romania

   United Silicon Carbide, NJ
United Silicon Carbide, NJ

Chief System Engineer, US Army CEREDEC, NJ

Senior Design Engineer, Vitesse Semiconductor Inc., CA

Associate Professor, University of Florida Gainsville

Microsoft

Sonoma State University, Assistant Professor

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


   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

   Advisor: **M. Bushnell**. Committee: I. Marsic, M. Parashar, V. Agrawal (Auburn University), T. J. Chakraborty (Alcatel-Lucent Bell Labs, Whippany, 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.


Millenium Capital Partners, London

97. **Gaurav Saraf**, *Studies of In-plane Anisotropic Physical Properties in a-plane $\text{Mg}_x\text{Zn}_{1-x}\text{O}$*, May 2008. Advisor: **Y. Lu**. Committee: M. Parker, K. Sheng, T. Siegrist (Bell Labs, Murray Hill, NJ), F. Cosandey (Material Science and Engineering, Rutgers University).

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


Credit Swiss, Boston


NEC Labs, Princeton, NJ


Navy Research Labs
   Alcatel-Lucent, MTS

   Hitachi Labs, San Jose, CA

   Associate Professor, Xiamen University, China

   Associate Professor, University of Florida

   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.


   
   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


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. Cosandey (Rutgers Materials Science and Engineering Department).


Aware (Biometrics), Boston, MA

Photonic IC, CA (bay area)

Intel

iBiquity Digital Corporation, Member of Technical Staff

Intel Corporation, Process TD Engineer

SandDisk, Senior Device Engineer, Milpitas, CA

Broadcom, NJ

Qualcomm, Senior Engineer


Indraprastha Inst. of Information Techn., I.I.I.T. Delhi, India Ass. 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

   Terrano Wireless, CA

   Broadcom, Inc., NJ

   Schlumberger-Doll, Research Scientist, Cambridge, MA.

   Qualcomm, Bridgewater, NJ, Senior Research Engineer

   Assistant Professor Georgia State University

   Global Founders, Senior Engineer

   Carnegie Mellon University, postdoctoral (Assistant Prof., 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.

   Interdigital, BlueBell, PA

   Postdoctoral, Rutgers University, Department of Computer Science.

   Delphi Automotive

   Teaching Assistant Professor, Rutgers University


   Postdoctoral, Sharif University, Iran


   Zenefits, CA

   Foursquare


   Qualcomm


   Postdoctoral, INRIA, Paris, France.

   Applied Materials, Sunny Valley, CA

   INTEL, TX

   INTEL, OR

   John Hopkins Physics Research Labs

Postdoctoral, Korea research Labs


Assistant Professor, Yeditepe University, Turkey


Fact Set Research System, NY


Texas Instruments, Dallas.


Postdoctoral Berkeley University


Postdoctoral Princeton University


Assistant Professor Computer Science, Old Dominion University.


Intersil Corporation, Bridgewater, NJ


Postdoctoral Princeton University


Dialight, 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


Postdoctoral, Rutgers University
Rutgers ECE Doctoral Graduates 2001-2018 who hold Faculty Positions

1. **Gorkem Car**, Assistant Professor, Yeditepe University, Turkey, RU 2017, advisor **M. Gruteser**.
2. **Shubham JAIN**, Assistant Professor Old Dominion University, RU 2017, advisor **M. Gruteser**.
3. **Ashwin ASHOK**, Assistant Professor, ECE Georgia State University, RU 2014, advisor **M. Gruteser**.
4. **Saket ANAND**, Assistant Professor, Indraprastha Inst. of Info. Tech., Delhi, RU 2013, advisor **P. Meer**.
5. **Sanjit Krishnan KAUL**, Assistant Professor, IIT, Delhi, RU 2011, advisor **M. Gruteser**.
6. **Fu-Yi HUNG**, Assistant Professor, Tamkang University, Tamsal, Taiwan, RU 2009, advisor **I. Marsic**.
7. **Lin YANG**, Assistant Professor, University of Florida, RU 2009, advisor, **P. Meer**.
8. **Liang XIAO**, Associate Professor, Xiamen University, China, RU 2009, advisor **N. Mandayam**.
9. **Lalitha SHANKAR**, Assistant Professor, Arizona State, RU 2007, advisor **Mandayam**.
10. **Hongju GAO**, Assistant professor, Beijing University, RU 2007, advisor, **D. Daut**.
11. **Wenyuan XU**, Associate Professor, University of South Carolina, RU 2007, advisor **W. Trappe**.
12. **Xiangfang LI**, Assistant Professor, Prairie View Texas A&M University, RU 2007, advisor **Z. Gajic**.
13. **Jing WANG**, Assistant Professor, Nankai University, Tianjin, China, RU 2005, advisor **K. Dana**.
14. **Jack OU**, Assistant Professor, Sonoma State University, CA, RU 2005, advisor **M. Caggiano**.
15. **Xiaolin LI**, Associate Professor, University of Florida Gainsville, RU 2005, advisor **M. Parashar**.
16. **Rares F. BOIAN**, Associate Professor, University of Babes Boilay, Romania, RU 2005, advisor **G. Burdea**.
17. **Nuri William EMANETOGLU**, Assistant Professor, University of Maine, RU 2003, advisor **Y. Lu**.
18. **Sarah KOSKIE**, Associate Professor, Indiana University/Purdue University, RU 2003, advisor **Z. Gajic**.
19. **Ming YU**, Associate Professor, Florida State University Tallahassee, RU 2002, advisor **D. Daut**.
20. **Dimitrie POPESCU**, Associate Professor, Old Dominion University, RU 2002, advisor **C. Rose**.
21. **Liang CHENG**, Associate Professor, Lehigh University, RU 2002, advisor **I. Marsic**.
22. **Helmuth TREFFTZ**, Professor, EAFIT University, Columbia, RU 2002, advisor **R. Mamone**.
23. **Cristina COMANICIU**, Associate Professor, Stevens Institute of Technology, RU 2002, advisor **N. Mandayam**.
24. **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. Mamnone.
10. Khaled ASSALEH, Professor and Graduate Director, American University of Sharjah, RU 1993, advisor R. Mamnone.
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 May 2018
and Number of Dissertations Supervised
(233 Dissertations from January 2001 to May 2018)

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

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