Electrical and Computer Engineering, Rutgers University
with Student Placement Information

Updated June 1, 2015

CONTENT:
Page 1: Table 1. Total Number of ECE Doctoral Graduates 2001-2015
Page 2: Table 2. Placement Information for 2001-2015 Doctoral Graduates (190 students)
Page 3: List of Students, Dissertations, Advisors, Committee Members, and Defense Dates
Page 19: List of ECE Doctoral Graduates Holding Faculty Positions
Page 21: List of ECE Doctoral Advisors

<table>
<thead>
<tr>
<th>Year</th>
<th>January</th>
<th>May</th>
<th>October</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>2001</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>9</td>
</tr>
<tr>
<td>2002</td>
<td>3</td>
<td>3</td>
<td>4</td>
<td>10</td>
</tr>
<tr>
<td>2003</td>
<td>2</td>
<td>2</td>
<td>5</td>
<td>9</td>
</tr>
<tr>
<td>2004</td>
<td>1</td>
<td>5</td>
<td>5</td>
<td>11</td>
</tr>
<tr>
<td>2005</td>
<td>2</td>
<td>3</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>2006</td>
<td>2</td>
<td>2</td>
<td>5</td>
<td>9</td>
</tr>
<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>
<td>16</td>
</tr>
<tr>
<td>2010</td>
<td>2</td>
<td>6</td>
<td>7</td>
<td>15</td>
</tr>
<tr>
<td>2011</td>
<td>7</td>
<td>4</td>
<td>5</td>
<td>16</td>
</tr>
<tr>
<td>2012</td>
<td>2</td>
<td>4</td>
<td>4</td>
<td>10</td>
</tr>
<tr>
<td>2013</td>
<td>1</td>
<td>4</td>
<td>8</td>
<td>13</td>
</tr>
<tr>
<td>2014</td>
<td>3</td>
<td>3</td>
<td>5</td>
<td>11</td>
</tr>
<tr>
<td>2015</td>
<td>3</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Average per year 2015 not counted 13.29

Table 1: Number of ECE Doctoral Dissertations Defended from 2001-2015
<table>
<thead>
<tr>
<th>Institutions</th>
<th>Number of Students</th>
<th>Universities/Companies</th>
</tr>
</thead>
<tbody>
<tr>
<td>Universities</td>
<td>37 (19.5%)</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, IIT New Delhi (2), Tamkang University Taiwan</td>
</tr>
<tr>
<td>Assistant Professors</td>
<td>10</td>
<td>University of Maine, 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</td>
</tr>
<tr>
<td>Professors</td>
<td>3</td>
<td>EAFIT Univ, Columbia, Prairie View Texas A&amp;M Univ, Florida State University, University of Virginia, Stanford University, Cornell University, CMU (2), Columbia University, Rutgers University (2), Toyota Research Center, Tokyo</td>
</tr>
<tr>
<td>Post-doctoral students</td>
<td>10</td>
<td>University of Virginia, Stanford University, Cornell University, CMU (2), Columbia University, Rutgers University (2), 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, University of Virginia, Stanford University, Cornell University, CMU (2), Columbia University, Rutgers University (2), Toyota Research Center, Tokyo</td>
</tr>
<tr>
<td>Lecturers</td>
<td>2</td>
<td>Old Dominion University, Rutgers University, University of Virginia, Stanford University, Cornell University, CMU (2), Columbia University, Rutgers University (2), Toyota Research Center, Tokyo</td>
</tr>
<tr>
<td>Telecommunication Industries/Networking</td>
<td>65 (34.2%)</td>
<td>Lucent/Alcatel-Lucent (12), Qualcomm (13), AT&amp;T (4), Marvel Technology (2), Telecordia (4), Hitachi (2), Broadcomm (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), Ortiva Network, Terrano Wireless, Li Creative Technologies Inc., Hyundai, Akamai</td>
</tr>
<tr>
<td>Financial Companies</td>
<td>13</td>
<td>Bloomberg (3), HBK Capital, Credit Swiss Boston, JP Morgan, Goldman and Sachs, Barclays Capital, MSCI, 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: **R. Yates**. Committee: D. Daut, N. Mandayam, C. Rose, and A. Yener (Penn State Univ.). 
Lucent Technologies, Wippany, NJ

Telecordia Inc., Member of Technical Staff, NJ

NASA, Maryland

Symbol Technologies, Rockville, MD

30. **Jianghong Luo**, *Service Outage Based Adaptive Transmission in Fading Channels*, May **2004**. 
Alcatel – Lucent, NJ

Lecturer, Old Dominion University, VA

Advisor: **M. Bushnell**. Committee: M. Parashar, D. Raychaudhuri, and V. Agrawal (Auburn Univ.). 
Trano – Mets, CA

Alcatel – Lucent, NJ

34. **Wing Ho Andy Yuen**, *Fundamental Network Behaviour of Mobile Ad Hoc Networks*, May **2004**. 
Telecordia

NEC, Princeton

Alcatel – Lucent, Wippany, NJ

Intel Corporation

Sprint Technologies


   Morgan Stanley, NYC, NY

   J. P. Morgan Chase, NY

   United Silicon Carbide, Inc.

   Lucent Wippany, NJ

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

   Bloomberg, NYC, NY


   Postdoctoral, Stanford University

   GE Research Labs, Schenectady, NY

   Alcatel - Lucent

   Computer Scientist, Lawrence Livermore National Lab


   Hitachi


   Marvell Semiconductors, CA


   Lattice Semiconductors, PA


   Scientist, Google


   Research Associate, Rutgers University


   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, 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

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.


Advisors: **M. Parashar**. Committee: I. Marsic, D. Pompili, S. Klasky (Oak Ridge National Labs, TN), and C. Marty (Bloomberg LLC, NY).
Yahoo, Santa Clara, CA.

Advisors: **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.

Advisors: **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.

Advisors: **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

  Roberton 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

Qualcom, was with Marvel Semiconductors, Santa Clara, CA

Postdoctoral, Toyota Research Center, Tokyo.

Google

Committee: J. Wilder, I. Marsic, and Biing-Hwang Juang (Georgia Tech).
Li Creative Technologies Inc.

Siemens


Telecordia

144. Lijun Dong, "Content Caching, Retrieval and Dissemination in Networks with Storage," May 2011.
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, IIT Delhi

   FlexTrade Systems

   Texas Instruments

   Broadcom, Bangalore, India
156. Qi Qing 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

   Postdoctoral Rutgers University.

   AT&T Bell Labs

   Qualcomm

   Akamai, was postdoctoral at UCLA

   Bloomberg

   Broadcom

   Qualcomm, CA

   Aware (Biometrics), Boston, MA

   Photonic IC, CA (bay area)

166. Chieh-Jen Ku, Electrical Characteristics And Stability Of Novel $\text{Mg}_x\text{Zn}_{1,30}(0 \leq X \leq 0.06)$ 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


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


Broadcom, CA


Postdoctoral, University of Virginia

176. **Bernhard Firner**, *Transmit Only for Dense Wireless Networks*, Jan. 2014. Advisor: **Y. Zhang**. Committee: R. Martin, J. Lindqvist, and Dr. G. Vannucci (Kaplan Breyer Schwartz & Ottesen LLP). 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


    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. 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 - 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    Mammone
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)