List of Doctoral Dissertations January 2001 – September 2021
Electrical and Computer Engineering, Rutgers University with
Student Placement Information

Updated September, 2021

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### 1. Number of ECE Doctoral Graduates per Year January 2001 – January 2021

<table>
<thead>
<tr>
<th>Year</th>
<th>January</th>
<th>May</th>
<th>October</th>
<th>Total per Year</th>
<th>TOTAL 2001-2021</th>
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<td>7</td>
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<td>2021</td>
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<td>293+</td>
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*Not counted in the average

**Table 1: Number of the ECE Doctoral Dissertations per Year, 2001-2021**
## 2. Placement Information for Jan 2001 – September 2021 Doctoral Graduates

<table>
<thead>
<tr>
<th>Institutions</th>
<th>Number of Students</th>
<th>Universities and Companies</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Universities</strong></td>
<td>65 (22.1%)</td>
<td></td>
</tr>
<tr>
<td>Assistant Professors</td>
<td>26</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 Basrah (Iraq), Soochow University (China), Umm Al Qura University (Saudi Arabia)</td>
</tr>
<tr>
<td>Associate Professors</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>Professors</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>Post-doctoral students</td>
<td>12+3</td>
<td>Princeton University, University of Michigan, NYU, VPI, Cornell University, Purdue University, University of California at Berkeley, Sharif University (Iran), UCLA, Rutgers University Technical University of Munich (Germany), Yale University, Michigan State University</td>
</tr>
<tr>
<td>Research Associates</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>National and International Research Laboratories and Institutes</td>
<td>16 (5.4%)</td>
<td>IBM TJ Watson Research Center (3), NASA, National Institute of Standards, Sarnoff Corporat., 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>Telecommunication Industries Networking DSP</td>
<td>75 (25.5%)</td>
<td>Lucent/Alcatel-Lucent (12), Qualcomm (17), AT&amp;T (3), Marvel Technology (2), Telecordia (3), Hitachi (2), Broaddcomm (7), UT Star Telecom, Foursquare (2), Motorola Beijing (China), Robertson Technologies, iBiquity Digital Corp., SONY, Spirent Communications, Symbol Tech., NEC (2), Siemens, Sprint, BBN, Juniper Networks, Thompson, Aruba Networks (2), F5 Networks, Ortiva Network, Terrano Wireless, Li Creative Technologies Inc., Akamai, Tempus Labs, FactSet Research Systems, Network Systems, Totemic (2), Samsung, Electronic Arts, Aurora</td>
</tr>
<tr>
<td>Computer Industries and Financial</td>
<td>79 (26.9%)</td>
<td></td>
</tr>
<tr>
<td>Financial Companies</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>
</tr>
<tr>
<td>Medical Companies</td>
<td>1</td>
<td>Rizlab health</td>
</tr>
</tbody>
</table>

### Table 2: Placement of ECE January 2001 – September 2021 Doctoral Graduates, 289 out of 293 Doctoral Graduates
3. List of Students, Dissertations, Advisors, Committee Members, and Defense Dates

   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

   IBM TJ Watson Research Center, NY

   BBN Company, MA

   Network Systems, Germantown, MD

   Associate Professor, Old Dominion University

   Intel Corporation

    Professor, Florida State University, Tallahassee, FL

    Technology Team Leader, Alliant

    Qualcomm

    Associate Professor, Indiana University/Purdue University

    Associate Professor, University of Maine

    SUN Micro Systems

    Mentor Graphics Corporation, Wilsonville, Oregon

    Lucent Technologies, Whippany, NJ


United Silicon Carbide, NJ


United Silicon Carbide, NJ


Chief System Engineer, US Army CEREDEC, NJ


Senior Design Engineer, Vitesse Semiconductor Inc., CA


Professor, University of Florida Gainesville


Microsoft


Assistant Professor California State University Northridge


Google


Assistant Professor California State University Northridge


Qualcomm, San Diego, CA


Morgan Stanley, NYC, NY


J. P. Morgan Chase, NY


United Silicon Carbide, Inc.
   Lucent, Whippany, NJ

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


Velocim, San Diego, CA


Researcher at MSCI Inc.

Qualcomm Flarion Technologies

Altair, CA


Ortiva Networks, San Diego, CA


N. Vidia

Committee: M. Gruteser, D. Raychaudhuri, Y. Zhang, and W. Horne (Hewlett-Packard, Princeton, NJ).
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, Sand Diego, CA.

Qualcomm, Sand Diego, CA.

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.

Device Engineer, Spansion, Inc., CA


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

   Alcatel-Lucent, MTS

   Hitachi Labs, San Jose, CA

   Professor, Department of Communication Engineering, 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

122. Canute Vaz, Estimation and Equalizations of Communications Channels Using Wavelet Transforms,

Robertson Technologies


Ford Motor Co.


Alcatel-Lucent Murray Hill, NJ


Marvel Technology Group Santa Clara, CA


AT&T Security Labs


Research Associate, Rutgers University, Department of Physics


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

   Qualcomm, was with Marvel Semiconductors, Santa Clara, CA

   Research Scientist, Aachen University, Germany.

   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


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 Mg$_{1-X}$Zn$_X$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


177. **Gang Liu**, 4H-Silicon Carbide MOSFET Interface Structure, Defect States and Inversion Layer Mobility, Jan. 2014.
   Process Integration and Development Engineer, ON Semiconductor, Portland, OR.

   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 starting in 2016/17.

   Global Founders, Senior Engineer

   IBM, NY, postdoctoral

   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.


Postdoctoral, Sharif University, Iran.


Principal Engineer (sensor fusion), Totemic, San Francisco.


Zenefits, CA.


Foursquare.


Program Coordinator, Rutgers Global, Rutgers University.


Qualcomm.


Research Scientist, Nokia Bell Labs, Paris, France.


Research Scientist, Nokia Bell Labs, Paris, France.


Applied Materials, Sunny Valley, CA.


INTEL, TX.


234. **Ahmed Al-Abdel Abass**, Evolutionary Games: Applications to Security and Resource Allocation in Networks, October 2018. Advisors: **N. Mandayam and Z. Gajic**. Committee: W. Trappe, M. Melike Baykal Gursoy (Rutgers University, Industrial and Systems Engineering Department). Assistant Professor University of Thi-Qar, Iraq
   Postdoctoral, UCLA

   Postdoctoral, Princeton University

   F5 Networks

   Machine Learning Engineer, Foursquare, New York

   Alayta Tech, CA


   Assistant Professor, Umm Al-Qura, University, Saudi Arabia

   Visiting Scholar, NYU

   Postdoctoral, Virginia Tech (VPI)

   NVIDIA

   Assistant Professor, Soochow University, China

   Software Engineer, Google, Mountain View, CA

   Machine Learning Engineer, Linkendin AI, Sunnyvale, CA

   Apple, Sunnyvale, CA

   Postdoctoral NYU
   Postdoctoral Rutgers University

   Automotive Radar for Autonomous Vehicles Engineer, Aurora

   Assistant Professor, Technical College of Najaf, Iraq

   Intel Corporation

   Shape Security

   Research Scientist, Tempus Labs, New York

   Amazon, Seattle

   R&D Engineer, PsiQ, San Francisco Bay Area

   Qualcomm, San Diego, CA

   Assistant Professor, University of Tennessee, Knoxville

   Software Engineer, Google, Seattle

   Senior Research Engineer, Samsung, Texas

   Research Fellow, University of Michigan

   Research Scientist, Snap Inc., Santa Monica, CA

Quantitative Medicine Scientist, Critical Path Institute


AI Scientist, Electronic Arts, Redwood City, CA


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


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


Perception Engineer, Totemic, Mountain View, CA


Mathworks


Data and Applied Scientist, Microsoft, Redwood, WA


290. **Ali Essam Hameed Haddad**, *Computational Methods for Probing the Spatio-Tempo-Rhythmic Characteristics of the Task-Associated Brain Functional Networks via Electroencephalography*. September 2020. Advisor: **Laleh Najafizadeh**. Committee: Zoran Gajic, Athina Petropulu, and Michael Cole (Center for Molecular & Behavioral Neuroscience, Rutgers). Assistant Professor, the Computer Engineering Department, University of Basrah

   Advisor: **Zoran Gajic.** Committee: Hana Godirch, Jingang Yi, John McGarvey, and Muhidin Lelic and (Quanta Technology, Raleigh, NC).
   Assistant Professor, Department of Electrical Engineering at University of Basrah

293. **Jianye Sui**, *Multi-frequency impedance cytometry for biomolecular sensing and cell analysis*. **December 2020.** Advisor: **Mehdi Javanmard.** Committee: Umer Hassan, Chung-Tse Michael Wu and Curt Scharfe (Department of Genetics, Yale School of Medicine).
   Rizlab Health, Princeton, NJ

   Postdoc, Michigan State University

295. **Mehmet Atkas**, *Learning Tree-Structured Models from Noisy Data*. **February 2021.** Advisor: **Anand Sarwate.**
   Committee: Salim El Rouayheb, Emina Soljani, Roy Yates, and Dionysios Kalogerias, (Michigan State University).
   Assistant professor, Bilkent University
4. Rutgers ECE Doctoral Graduates 2001-2021 who hold Faculty Positions

1. Mehdi Rahmati, RU 2020, Assistant Professor, Cleveland State University. Advisor: Dario Pompili.
2. Mehmet Aktas, RU 2021, Assistant Professor, Bilkent University. Advisor: Emina Soljanin.
4. Intessar Al-Iedani, RU 2020, Assistant Professor, University of Basrah. Advisor: Zoran Gajic.
5. Chen WANG, RU 2019, Assistant Professor, Louisiana State University. Advisor: Y. Chen.
8. Li LIU, RU 2019, Assistant Professor, Soochow University, China. Advisor: D. Silver.
9. Ghassan BATI, RU 2019, Assistant Professor, Umm Al-Qura, University, Saudi Arabia. Advisor: V. Singh.
10. Ahmed AL-ABDEL, RU 2018, Assistant Professor, University of Thi-Qar, Iraq. Advisors: N. Mandayam and Z. Gajic.
13. Gorkem CAR, RU 2017, Assistant Professor, Yeditepe University, Turkey. Advisor: M. Gruteser.
14. Shubham JAIN, RU 2017, Assistant Professor, Old Dominion University. Advisor: M. Gruteser.
19. Ashwin ASHOK, RU 2014, Assistant Professor, ECE Georgia State University. Advisor: M. Gruteser.
21. Rishabh DUDHERIA, RU 2013, Assistant Professor, ECE Department, NYIT, NYC Advisor: W. Trappe.
22. Sanjit Krishnan KAUL, RU 2011, Assistant Professor, IIT, Delhi, India. Advisor: M. Gruteser.
23. Fu-Yi HUNG, RU 2009, Assistant Professor, Tamkang University, Tamsal, Taiwan. Advisor: I. Marsic.
25. Liang XIAO, RU 2009, Professor, Xiamen University, China. Advisor: N. Mandayam.
27. Hongju GAO, RU 2007, Associate Professor, China Agricultural University, Beijing. Advisor: D. Daut.
28. Wenyuan XU, RU 2007, Associate Professor, University of South Carolina. Advisor: W. Trappe.
29. **Xiangfang Li**, RU 2007, Assistant Professor, Prairie View Texas A&M University. Advisor Z. Gajic.

30. **Jing Wang**, RU 2005, Assistant Professor, Nankai University, Tianjin, China. Advisor K. Dana.

31. **Jack Ou**, RU 2005, Assistant Professor, California State University Northridge, CA. Advisor M. Caggiano.

32. **Xiaolin Li**, RU 2005, Professor, University of Florida Gainsville. Advisor M. Parashar.


34. **Otilia Popescu**, RU 2004, Associate Professor, Old Dominion University. Advisor C. Rose.


36. **Sarah Koskie**, RU 2003, Associate Professor, Indiana University/Purdue University. Advisor Z. Gajic.

37. **Ming Yu**, Professor, RU 2002, Florida State University Tallahassee. Advisor D. Daut.

38. **Dimitrie Popescu**, RU 2002, Associate Professor, Old Dominion University. Advisor C. Rose.


41. **Cristina Comaniciu**, RU 2002, Associate Professor, Stevens Institute of Technology. Advisor N. Mandayam.

42. **Lijun Qian**, RU 2001, AT&T Professor, Prairie View Texas A&M University. Advisor Z. Gajic.
5. 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. 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, 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.
6. ECE Doctoral Dissertation Advisors - January 2001 to January 2021 and Number of Dissertations Supervised (293 Dissertations from January 2001 to January 2021)

<table>
<thead>
<tr>
<th>Advisor</th>
<th>Number of Dissertations</th>
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<tbody>
<tr>
<td>Mandayam</td>
<td>22.83*</td>
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<tr>
<td>Lu, Parashar</td>
<td>17</td>
</tr>
<tr>
<td>Zhao</td>
<td>14.5*</td>
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<td>Raychaudhuri,</td>
<td>13.83*</td>
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<tr>
<td>Gruteser</td>
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<td>Yates</td>
<td>12.83*</td>
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<td>Marsic</td>
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<td>Spasojevic</td>
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<tr>
<td>Trappe</td>
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<td>Gajic</td>
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<td>Daut</td>
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<tr>
<td>Zhang</td>
<td>9.5*</td>
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<tr>
<td>Silver</td>
<td>7.5*</td>
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<tr>
<td>Dana, Pompili</td>
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<tr>
<td>Bajwa, Bushnell, Meer</td>
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<td>Jiang, Petropulu, Javanmard</td>
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<tr>
<td>Zonouz</td>
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<td>Lindqvist, Mammone</td>
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<tr>
<td>Rose, Micheli-Tzanakou (Biomed), Sarwate</td>
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</tr>
<tr>
<td>Najafizadeh</td>
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</tr>
<tr>
<td>Burdea, Chen, Rabiner, El Rouayheb,</td>
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</tr>
<tr>
<td>Patel, Sheng, Soljanin</td>
<td>1.5*</td>
</tr>
<tr>
<td>Greenstein (WINLAB)</td>
<td>1.33*</td>
</tr>
<tr>
<td>Bouzit, Caggiano, Cheung, Chhowala 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), Sontag (Math), Tremaine (CAIP), Raychaudhuri, Yuan</td>
<td>1</td>
</tr>
<tr>
<td>Jha, Fabris (MSE), Turilli, Wilder (CAIP)</td>
<td>0.5*</td>
</tr>
<tr>
<td>Foschini (AT&amp;T Bell Labs)</td>
<td>0.33*</td>
</tr>
</tbody>
</table>

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