

List of Doctoral Dissertations January 2001 – May 2015 Electrical and Computer Engineering, Rutgers University with Student Placement Information

Updated June 1, 2015

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Year	January	May	October	Total
2001	3	3	3	9
2002	3	3	4	10
2003	2	2	5	9
2004	1	5	5	11
2005	2	3	5	10
2006	2	2	5	9
2007	2	8	16	26
2008	11	6	4	21
2009	4	5	7	16
2010	2	6	7	15
2011	7	4	5	16
2012	2	4	4	10
2013	1	4	8	13
2014	3	3	5	11
2015	3	1		
Average per year 2015 not counted				13.29

Table 1: Number of ECE Doctoral Dissertations Defended from 2001-2015

Institutions	Number of Students	Universities/Companies
Universities	37 (19.5%)	
Assistant Professors	10	University of Maine, Beijing University China Nankai University China, University of Kentucky, Arizona State University, Sonoma State University, CA Prairie View Texas A&M University IIIT New Delhi (2), Tamkang University Taiwan
Associate Professors	8	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, Gainesville
Professors	3	EAFIT Univ, Columbia, Prairie View Texas A&M Univ. Florida State University
Post-doctoral students	10	University of Virginia Stanford University, Cornell University, CMU (2) Columbia University, Rutgers University (2) Toyota Research Center, Tokyo Southern Illinois University, School of Medicine
Research Associates	4	Harvard University, Rutgers University (2), University of Leicester, UK
Lecturers	2	Old Dominion University, Rutgers University
National/International Research Laboratories and Institutes	15 (7.9%)	IBM TJ Watson Research Center (3) NASA, National Institute of Standards, Sarnoff Corp. US Army Research Labs, Navy Research Labs General Motors, GE Research Labs, Ford Motor Co. Institute of Electronic Devices China, Lawrence Livermore National Lab, Schlumberger-Doll, Scientific and Techol. Research Council of Turkey
Telecommunication Industries/Networking	65 (34.2%)	Lucent/Alcatel-Lucent (12), Qualcomm (13), AT&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
Semiconductor and Car Industries	25 (13.2%)	United Silicone Carbide (4), Intermolecular Inc. (2) Charter Semiconductors, Spansion, Photonic IC Vitesse Semiconductor Inc., Traid Trek, Anadigics Marvel Semiconductors, Lattice Semiconductors Velox Semiconductor Inc., EPV Inc, Global Founders, Texas Instruments (2), Cerebrus Cooperation (2) Alpha & Omega Semiconductor CA, Applied Materials Inc. CA (2), SandDisk
Computer Industries	45 (23.7%)	
Computer Companies	32	Google (5), Toshiba (2), Xerox, Intel (5), ASK.com Yahoo, Microsof (2), Apple, Hewlett Packard, Inter Digital, Cernuum Corp., Computer Associates CA, Atheros, CA, Aliant, Trano Mets, Altair, Integrated Solutions, SUN Micro Systems, N. Vidia, Nokia Research, Zenefits, Internet Infrastructure Corp., MJ, Aware, MA, Mentor Graphics, OR
Financial Companies	13	Bloomberg (3), HBK Capital, Credit Swiss Boston JP Morgan , Goldman and Sachs, Barclays Capital, MSCI, Two Sigma Investment Morgan Stanley, FlexTrade Systems

Table 2: Placement of ECE January 2001 – May 2015 Doctoral Graduates (187 out of 190 graduates)

1. **George V. Popescu**, *Design and Performance Analysis of a Virtual Reality-Based Telerehabilitation System*, Jan. 2001. Advisor: **G. Burdea**. Committee: J. Flanagan, M. Parashar, D. Silver, W. Craelius (Biomedical Engineering, Rutgers Univ.).
Research Scientist, Harvard University
2. **Cem Uygur Saraydar**, *Pricing and Power Control in Wireless Data Networks*, Jan. 2001. Advisor: **N. Mandayam**. Committee: C. Rose, R. Yates, D. Goodman, V. Poor (Princeton Univ.).
General Motors
3. **Nikhil Gagvani**, *Parameter-Controlled Skeletonization – A Framework for Volume Graphics*, Jan. 2001. Advisor: **D. Silver**. Committee: G. Burdea, H. Freeman, P. Meer, S. Gibson (Mitsubishi, MA).
Cernuim Corporation
4. **Yong Bai**, *Interlayer Protocol Interactions and Coordinations in Wireless Internet Access*, May 2001. Advisor: **A. Ogielski**. Committee: D. Goodman, C. Rose, R. Yates, T. Lakshman (Lucent, NJ).
Motorola, Beijing, China
5. **Bogdan Matei**, *Heteroscedastic Errors-in-Variables Models in Computer Vision*, May 2001. Advisor: **P. Meer**. Committee: D. Daut, S. Orfanidis, R. Yates, D. Tyler (Statistics, Rutgers Univ.).
Sarnoff Corporation, Princeton, NJ
6. **Lijun Qian**, *Optimal Power Control in Wireless Systems*, May 2001. Advisor: **Z. Gajic**, Committee: N. Mandayam, C. Rose, R. Yates, D. Mitra (Lucent, NJ).
Professor, Prairie View Texas A&M University
7. **Abraham Ittycheriah**, *Trainable Question Answering Systems*, Oct. 2001. Advisor: **R. Mammone**. Committee: P. Meer, J. Wilder, S. Roukas (IBM T. J. Watson).
IBM TJ Watson Research Center, NY
8. **Jie Lai**, *Performance of Channel Coding in Temporally and Spatially Correlated Wireless Channels*, Oct. 2001. Advisor: **N. Mandayam**. Committee: D. Daut, R. Yates, D. Goodman.
Broadcomm
9. **Lei Song**, *Resource Control for Multimedia CDMA Networks: Hierarchical Design and Performance Analysis*, Oct. 2001. Advisor: **N. Mandayam**. Committee: Z. Gajic, D. Goodman, R. Yates.
UT-Star Telecom
10. **Cristina Comaniciu**, *Integrated Access Control and Detection for QoS in Multimedia CDMA Networks*, Jan. 2002. Advisor: **N. Mandayam**. Committee: Z. Gajic, R. Yates, P. Agrawal (Telecordia).
Associate Professor, Stevens Institute of Technology
11. **Harvey Ray**, *Real-Time Ray Casting Architectures for Volume Graphics and Volume Rendering*, Jan. 2002. Advisor: **D. Silver**. Committee: M. Hsiao, M. Parashar, H. Pfister (MERL-A Mitsubishi).
Research Scientists, Hewlett-Packard
12. **Helmuth Trefftz**, *System Wide Constraints and User Preferences in Collaborative Virtual Environments*, Jan. 2002. Advisor: **R. Mammone**. Committee: I. Marsic, M. Parashar, J. Wilder, M. Zyda (Naval Postgraduate School), and A. Medl (CAIP, Rutgers Univ.).
EAFIT University, Medellin, Colombia, Professor and Chair
13. **Liang Cheng**, *Network Awareness for Heterogeneous Data Networks*, May 2002, Advisor: **I. Marsic**. Committee: J. Flanagan, N. Mandayam, R. Yates, Badrinath (Computer Science, Rutgers Univ.).
Lehigh University, Associate Professor

14. **Alvin Garcia**, *The Modified-Mean Cepstral Mean Normalized (MMCMN) Method for Channel-Robust Automatic Speech Recognition*, May **2002**. Advisor: R. **Mammone**. Committee: S. Orfanidis, J. Wilder, E. Devinney (CAIP, Rutgers Univ.).
IBM TJ Watson Research Center, NY
15. **Miroslav Novak**, *Non-Negative Matrix Factorization Approach to Language Model Adaptation*, May **2002**. Advisor: R. **Mammone**. Committee: P. Meer, J. Wilder, R. Gopinath (IBM, T. J. Watson).
BBN Company, MA
16. **Wei Ma**, *Integrated Design of Digital Communication Systems*, Oct. **2002**. Advisor: **D. Daut**. Committee: N. Mandayam, D. Raychaudhuri, and H. Liu (Tellium Inc.)
Network Systems, Germantown, MD
17. **Dimitrie Popescu**, *Interference Avoidance in Wireless Systems*, Oct. **2002**. Advisor: **C. Rose**. Committee: Z. Gajic, N. Mandayam, R. Yates, and M. Honig (Northwestern University).
Associate Professor, Old Dominion University
18. **Kiyoshi Tokie**, *Silicon Carbide Vertical Junction Field-Effect Transistors*, Oct. **2002**. Advisor: **J. Zhao**. Committee: K. Cheung, M. Parker, and M. Weiner (USC Inc.)
Intel Corporation
19. **Ming Yu**, *Self-Similar Traffic Modeling and Network Performance Analysis*, Oct. **2002**. Advisor: **D. Daut**. Committee: Z. Gajic, I. Marsic, and Y-T. Wang (Bell Labs Lucent Technologies).
Professor, Florida State University, Tallahassee, FL
20. **Steele G. Arbeeny**, *Navigating Media Using Virtual Environments*, Jan. **2003**. Advisor: **D. Silver**. Committee: I. Marsic, M. Parashar, J. Wilder, and I. Carlbom (Lucent Technologies).
Technology Team Leader, Aliant
21. **Heng Wang**, *Opportunistic Transmission for Wireless Data Over Fading Channels Under Energy and Delay Constraints*, Jan. **2003**. Advisor: **N. Mandayam**. Committee: P. Spasojevic, D. Yates, and S. Nanda (Narad Networks).
Qualcomm
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_xZn_{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
24. **Lan Rao**, *Graphical CMOS I_{DDQ} Testing Signatures Based on Data Mining*, Oct. **2003**. Advisor: **M. Bushnell**. Committee: V. Agrawal, R. Mammone, I. Marsic, Nigh (IBM) and S. Chakravarty (Intel).
SUN Micro Systems
25. **Shuo Sheng**, *Testing and Verification by Exploring Circuit Propertires*, Oct. **2003**. Advisor: **M. Hsiao**. Committee: V. Agrawal, P. Meer, and E. Allender (Computer Science, Rutgers Univ.).
Mentor Graphics Corporation, Wilsonville, Oregon

26. **Rajnish Sinha**, *Noncoherent Multicarrier Communications and Multiuser Detection*, Oct. **2003**. Advisor: **R. Yates**. Committee: D. Daut, N. Mandayam, C. Rose, and A. Yener (Penn State Univ.).
Lucent Technologies, Wippany, NJ
27. **John Sucec**, *Routing in Mobile Ad Hoc Networks: Scalability, Resource Management and Application*, Oct. **2003**. Advisor: I. Marsic. Committee: D. Raychaudhuri, R. Yates, and S. Papavassiliou (NJIT).
Telecordia Inc., Member of Technical Staff, NJ
28. **Feng Yan**, *4H-Silicon Carbide Avalanche Photodiodes*, Oct. **2003**. Advisor: **J. Zhao**. Committee: Y. Lu, M. Parker, and M. Weiner (United Silicon Carbide Inc.).
NASA, Maryland
29. **Lang Lin**, *Adaptive Transmission in Fading Environment*, Jan. **2004**. Advisor: **R. Yates/Spasojevic**. Committee: D. Raychaudhuri, C. Rose, and S. Schwartz (Princeton Univ.).
Symbol Technologies, Rockville, MD
30. **Jianghong Luo**, *Service Outage Based Adaptive Transmission in Fading Channels*, May **2004**. Advisor: **R. Yates/Spasojevic**. Committee: C. Rose, and G. Caire (Institut Eurecom).
Alcatel - Lucent, NJ
31. **Otilia Popescu**, *Interference Avoidance for Wireless Systems with Multiple Receivers*, May **2004**. Advisor: **C. Rose**. Committee: Z. Gajic, N. Mandayam, R. Yates, and S. Ulukus (Univ. of Maryland).
Lecturer, Old Dominion University, VA
32. **Tezaswi Raja**, *Minimum Dynamic Power CMOS Design with Variable Input Delay Logic*, May **2004**. Advisor: **M. Bushnell**. Committee: M. Parashar, D. Raychaudhuri, and V. Agrawal (Auburn Univ.).
Trano - Mets, CA
33. **Dragan Samardjija**, *Multiple Antenna Wireless Systems and Channel State Information*, May **2004**. Advisor: **N. Mandayam**. Committee: R. Yates, L. Greenstein, and G. Foschini (Lucent, NJ).
Alcatel - Lucent, NJ
34. **Wing Ho Andy Yuen**, *Fundamental Network Behaviour of Mobile Ad Hoc Networks*, May **2004**. Advisor: **R. Yates**. Committee: N. Mandayam, D. Raychaudhuri, and D. Goodman.
Telecordia
35. **Haifeng Chen**, *Projection Based Robust Estimators for Computer Vision*, Oct. **2004**. Advisor: **P. Meer**. Committee: K. Dana, S. Orfanidis, and C. Kulikowski (Computer Science, Rutgers Univ.).
NEC, Princeton
36. **Nan Feng**, *User-Centric and Network-Centric Radio Resource Management*, Oct. **2004**. Advisor: **N. Mandayam**. Committee: Z. Gajic, R. Yates, and D. Goodman.
Alcatel - Lucent, Wippany, NJ
37. **Yanbin Luo**, *Silicon Carbide Power Bipolar Junction Transistors*, Oct. **2004**. Advisor: **J. Zhao**. Committee: M. Parker, K. Sheng, and D. Maurice (United Silicon Carbide Inc.).
Intel Corporation
38. **Salim Manji**, *Rate Adaptation Strategies for Progressive Image Transmission over Fading Channels*, Oct. **2004**. Advisor: **N. Mandayam**. Committee: D. Daut, R. Yates, and G. Djuknic (ITT, NJ).
Sprint Technologies

39. **Haifeng Sheng**, *Studies of Metal Contacts on (11-20) ZnO and Mg_xZn_{1-x}O Films*, Oct. **2004**.
Advisor: **Y. Lu**. Committee: K. Cheung, M. Parker, and E. Armour (Turbodisc Div., Veeco Inc.).
Charter Semiconductors Inc
40. **Rares F. Boian**, *Virtual Reality Based Post Stroke Rehabilitation Using Dual Stewart Platform Mobility Simulator*, Jan. **2005**. Advisor: **G. Burdea**. Committee: Z. Gajic, M. Parashar, D. Silver, and J. Deutsch (UMDNJ).
Associate Professor, University of Babes Boilay, CS Dep. Romania
41. **Xueqing Li**, *Design and Simulation of High Voltage 4H Silicon Carbide Power Devices*, Jan. **2005**.
Advisor: **J. Zhao**. Committee: M. Parker, K. Sheng, and M. Weiner (United Silicon Carbide Inc.).
United Silicone Carbide, NJ
42. **Leonid Fursin**, *Design and Fabrication of a High-Voltage Normally-Off Planar 4H-Silicon Carbide Vertical Junction Field-Effect Transistor*, May **2005**. Advisor: **J. Zhao**. Committee: M. Parker, K. Sheng, and M. Weiner (United Silicon Carbide Inc.).
United Silicone Carbide, NJ
43. **Richard Harold Wittstruck**, *Characteristics of Zinc Oxide Based Multi-Layer Bulk Acoustic Wave Devices*, May **2005**. Advisor: **Y. Lu**. Committee: M. Parker, K. Shens, and A. Ballabo (US Army CECOM).
Chief System Engineer, US Army CEREDDEC, 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
45. **Xiaolin Li**, *Adaptive Runtime Management of Spatial and Temporal Heterogeneity of Dynamic SAMR Applications*, Oct. **2005**. Advisor: **M. Parashar**. Committee: I. Marsic, D. Silver, Y. Zhang, and H. Pham (Industrial Engineering, Rutgers Univ.).
Associate Professor, University of Florida Gainesville
46. **Hua Liu**, *Accord: A Programming System for Automatic Self-Managing Applications*, Oct. **2005**.
Advisor: **M. Parashar**. Committee: I. Marsic, D. Silver, and Y. Zhang, and J. Ray (Sandia National Laboratories).
Microsoft
47. **Jack Ou**, *Design and Analysis of Shunt Peaked Distributed Current Communicating Mixer*, Oct. **2005**. Advisor: **M. Caggiano**. Committee: D. Daut, S. McAfee, and J. Khoury (Bell Labs., NJ).
Sonoma State University, Assistant Professor
48. **Cristina Simona Schmidt**, *Flexible Information Discovery with Guaranteed in Peer-to-Peer Distributed Systems*, Oct. **2005**. Advisor: **M. Parashar**. Committee: P. Meer, D. Silver, Y. Zhang, and R. Subramanian (School of Business, Quinnipiac Univ.).
Google
49. **Jing Wang**, *BTF/BRDF Texture Measurement and Modeling*, Oct. **2005**. Advisor: **K. Dana**.
Committee: I. Marsic, P. Meer, and A. Elgammal (Computer Science, Rutgers Univ.).
Assistant Professor, Nankai University, Tianjin, China
50. **Weiliang Liu**, *Joint Source Channel (De) Coding for Progressive Image Transmission Using Turbo and LDPC Codes*, Jan. **2006**. Advisor: **D. Daut**. Committee: T. Marshall, S. Orfanidis, W. Trappe, and A. Akansu (NJIT).

Qualcomm, San Diego, CA

51. **Guangsen Zhang**, *Decentralized Information Sharing for Detection and Protection Against Network Attacks*, Jan. **2006**. Advisor: **M. Parashar**. Committee: I. Marsic, W. Trappe, Y. Zhang, and H. Pham (Industrial Engineering, Rutgers Univ.).
Morgan Stanley, NYC, NY
52. **Guofeng Lu**, *Antenna and Synchronization Design Issues for the Ultra-Wideband Systems*, May **2006**. Advisor: **P. Spasojevic/Grenstein**. Committee: S. Orfanidis, and A. Haimovich (NJIT).
J. P. Morgan Chase, NY
53. **Jianhui Zhang**, *Design and Fabrication of 4H Silicon Carbide Power Bipolar Junction Transistors*, May **2006**. Advisor: **J. Zhao**. Committee: M. Parker, K. Sheng, and M. Weiner (United Silicon Carbide).
United Silicon Carbide, Inc.
54. **Sudharshan Rao**, *Operational Fault Detection in Distributed Cellular Networks: Framework and Methodologies*, Oct. **2006**. Advisor: **Z. Gajic**. Committee: D. Daut, I. Marsic, and Q. Zhang (Bell Labs).
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
56. **Li Zhang**, *Enabling Asynchronous Interaction and Coupling for Parallel Scientific Applications Using Semantically-Specialized Shared Spaces*, Oct. **2006**. Advisor: **M. Parashar**. Committee: D. Silver, I. Marsic, Y. Zhang, and S. Klasky (Oak Ridge National Laboratory).
Bloomberg, NYC, NY
57. **Sung Bang**, *Analysis of Optical Communication Systems Employing Dense Wavelength Division Multiplexing in the Presence of Fiber Nonlinearities*, Oct. **2006**. Advisor: **D. Daut**. Committee: Z. Gajic, S. McAfee, V. Radisavljevic (Lafayette College).
58. **Ivana Maric**, *Cooperative Strategies for Wireless Relay Networks*, Oct. **2006**. Advisor: **R. Yates**. Committee: L. Greenstein, C. Rose, A. Goldsmith (Stanford Univ.), and S. Shamai (Technion).
Postdoctoral, Stanford University
59. **Ashutosh Morde**, *Asymmetric Collaboration: Enabling A Shared Workspace Through Augmented and Virtual Realities*, Jan. **2007**. Advisor: **M. Bouzit**. Committee: L. Rabiner, J. Wilder, B. Juang (Georgia Institute of Technology) and J. Flanagan (Avaya Labs).
GE Research Labs, Schenectady, NY
60. **Mehmet Kemal Karakayal**, *Network Coordination for Spectrally Efficient Communications in Wireless Networks*, Jan. **2007**. Advisor: **R. Yates**. Committee: G. Foschini, N. Mandayam, P. Spasojevic, R. Valenzuela (Bell Labs, Holmdel).
Alcatel - Lucent
61. **Carlos Correa**, *Illustrative Deformation of Volumetric Objects*, May **2007**. Advisor: **D. Silver**. Committee: G. Burdea, K. Dana, and M. Chen (University of Wales, Swansea).
Computer Scientist, Lawrence Livermore National Lab
62. **Zhen Li**, *A Scalable, Decentralized Coordination Infrastructure for Grid Environments*, May **2007**. Advisor: **M. Parashar**. Committee: I. Marsic, D Silver, Y. Zhang, and H. Pham (Industrial and Systems Engineering, Rutgers University).

Goldman Sach, NYC, NY

63. **Qing Li**, *Detection and Defense Strategies for Anomalous Traffic in Wireless Networks*, May 2007. Advisor: **W. Trappe**. Committee: D. Raychaudhuri, Y. Zhang, M. Gruteser, and J. Kilian (Computer Science, Rutgers University).
Hittachi
64. **Hithesh Nama**, *Resource Allocation in Cooperative and Non-Cooperative Energy-Constrained Wireless Networks*, May 2007. Advisor: **N. Mandayam**. Committee: P. Spasojevic, R. Yates, and M. Chiang (Princeton University).
Marvell Semiconductors, CA
65. **Di Wu**, *Sequence Design for DS-SS Communications with Applications to Ultra-Wideband Systems*, May 2007. Advisor: **R. Spasojevic**. Committee: L. Greenstein, R. Yates, and A. Haimovich (NJIT).
Lattice Semiconductors, PA
66. **Ruoheng Liu**, *Reliable and Secure Communication Schemes for Wireless Networks*, May 2007. Advisor: **P. Spasojevic**. Committee: N. Mandayam, C. Rose, R. Yates, and E. Soljanin (Lucent).
Wireless Systems Engineer, Alcatel-Lucent
67. **Nicu Daniel Cornea**, *Curve Skeletons: Properties, Computation and Applications*, May 2007. Advisor: **D. Silver**. Committee: G. Burdea, P. Meer, and Al Shokoufandeh (Drexel University).
Scientist, Google
68. **Sumar Chandra**, *A Multiobjective Approach for Addressing Dynamism and Heterogeneity in Parallel Scientific Simulations*, May 2007. Advisor: **M. Parashar**. Committee: I. Marsic, D. Silver, Y. Zhang, and J. Ray (Sandia National Laboratories, Livermore, CA)
Bloomberg, NY
69. **Jian Zhong**, *Optical Properties of Zinc Oxide Nanotips and Their Device Applications*, Oct. 2007. Advisor **Y. Lu**. Committee: W. Jiang, S. McAfee, K. Sheng, H. Shen (Army Research Labs, Adelphi, MD), H. M. Ng (Bell Laboratories, Murray Hill, NJ).
Research Associate, Rutgers University
70. **Xiaobin Xin**, *4H-Silicon Carbide Single Photon Counter*, Oct. 2007. Advisor **J. Zhao**. Committee: P. Panayotatos, K. Sheng, and M. Weiner (United Silicone Carbide Inc., New Brunswick NJ) .
Velox Semiconductor Inc., NJ
71. **Omar I. Khan**, *SPARTAN: A Spectral and Entropy-Based Partial-Scan and Test Point Insertion Algorithm*, Oct. 2007. Advisor: **M. Bushnell**. Committee: I. Marsic, M. Parashar, V. Agrawal (Auburn University), T. J. Chakraborty (Alcatel-Lucent Bell Labs, Wippany, NJ).
Qualcomm, San Diego, CA
72. **Yinglung Liang**, *Failure Analysis, Modeling, and Prediction for BlueGene/L**, Oct. 2007. Advisor: **Y. Zhang**. Committee: M. Parashar, W. Trappe, and H. Xiong (MSIS Department, Rutgers University).
ASK.com
73. **Srinivas Maloor**, *Statistical Strategies for Scaling and Weighting Variables for Cluster Analysis*, Oct. 2007. Advisor: **D. Madigan**. Committee: S. Orfanidis, J. Wilder, J. Kettenring (RISE, Drew University), and R. Gnaedesikan (Statistics Department, Rutgers University).
Researcher at MSCI Inc.
74. **Jasvinder Singh**, *Resource Allocation in Coordinated and Un-Coordinated Wireless Systems with Greedy or Non-Greedy Users*, Oct. 2007. Advisor: **C. Rose**. Committee: N. Madayam, R. Yates, and K. Balachandran (Lucent Technologies, Holmdel, NJ).
Qualcomm Flarion Technologies

75. **Vincent Matossian**, *Analyzing the Impact of Local Perturbations of Network Topologies at the Application Level*, Oct. **2007**. Advisor: **M. Parashar**. Committee: M. Gruteser, I. Marsic, and Y. Zhang, and S. Klasky (Oak Ridge National Labs, TN).
Altair, CA
76. **Sachin Ganu**, *Cross Layer Network Architecture for Efficient Packet Forwarding in Wireless Networks*, Oct. **2007**. Advisor: **D. Raychaudhuri**. Committee: W. Trappe, Y. Zhang, and A. Acharya (IBM TJ Watson , Hawthorne, NY).
Aruba Networks, San Jose, CA
77. **Sumathi Gopal**, *Cross-Layer Aware Transport Protocols for Wireless Networks*, Oct. **2007**. Advisor: **D. Raychaudhuri**. Committee: W. Trappe, R. Yates, S. Paul (Visiting Professor, ECE Rutgers University) and K. Ramaswamy (Thompson Inc., Princeton, NJ).
Ortiva Networks, San Diego, CA
78. **Xiangfang Li**, *Multi-Layer Optimization in Wireless Ad Hoc Networks*, Oct. **2007**. Advisor: **Z. Gajic**. Committee: D. Daut, I. Marsic, and M. Lelic (United Technologies, Hartford, CT).
Assistant Professor, Prairie View Texas A&M University
79. **Baozhen Yu**, *A Novel Dynamic Power Cutoff Technology (DPCT) for Active Leakage Reduction in Deep Submicron VLSI CMOS Circuits*, Oct. **2007**. Advisor: **M. Bushnell**. Committee: I. Marsic, K. Sheng, Y. Zhang, and V. Agrawal (Auburn University).
N. Vidia
80. **Omer Ileri**, *Dynamic Spectrum Access Models: Towards an Engineering Perspective in the Spectrum Debate*, Oct. **2007**. Advisor: N. **Mandayam**. Committee: D. Raychaudhuri, R. Yates, and C. Comaniciu (Stevens Institute of Technology).
Scientific and Technological Research Council of Turkey
81. **Wenyuan Xu**, *Defending Wireless Networks from Radio Interference Attacks*, Oct. **2007**. Advisor: **W. Trappe**. Committee: M. Gruteser, D. Raychaudhuri, Y. Zhang, and W. Horne (Hewlett-Packard, Princeton, NJ).
Associate Professor, University of South Carolina.
82. **Lalitha Sankar**, *Relay Cooperation in Multiaccess Networks*, Oct. **2007**. Advisor: N. **Mandayam**. Committee: R. Yates, P. Spasojevic, V. Poor (Princeton University), and G. Kramer (Alcatel-Lucent, Murray Hill, NJ).
Assistant Professor, Arizona State University
83. **Hongju Gao**, *Performance Evaluation of Multi-hop WPANDs Based a Realistic OFDM UWB Physical Layer*, Oct. **2007**. Advisor: **D. Daut**. Committee: I. Marsic, W. Trappe, Y. Zhang, and J. Kang (Telecordia Technologies, Piscataway, NJ).
Assistant Professor, Beijing University, China
84. **Stathis S. Leondopoulos**, *A Study on Adaptive Stimulation of the Basal Ganglia in the Treatment of Parkinsonism*, Oct. **2007**. Advisor: **E. Micheli-Tzanakou**. Committee: M. Bushnell, M. Caggiano, Z. Gajic, S. Orfanidis, and R. Nowakowski (UMDNJ-RWJMS, Piscataway, NJ).
Postdoctoral, Southern Illinois University, School of Medicine.
85. **Rajamani Sethuram**, *Reducing Digital Test Volume Using Test Point Insertion*, Jan. **2008**. Advisor: **M. Bushnell**. Committee: P. Meer, M. Parashar, L. Rabiner, S. Chakradhar (NEC, Princeton, NJ), and T. J. Chakraborty (Bell Labs, Wippany, NJ).
Qualcomm, Sand Diego, CA

86. **Hari Vijay Venkatanarayanan**, *Jitter Reduction Circuits to Reduce the Bit-Error Rate of High-Speed Serializer-Deserializer (SERDES) Circuits*, Jan. 2008. Advisor: **M. Bushnell**. Committee: L. Rabiner, K. Sheng, and T. J. Chakraborty (Bell Labs, Wippany, NJ).
Toshiba, Minneapolis
87. **Yun Wang**, *High Frequency Techniques for Advanced MOS Device Characterization*, Jan. 2008. Advisor: **K. Cheung**. Committee: Y. Lu, K. Sheng, and J. S. Suehle (National Institute of Standards and Technology, Gaithersburg, MD).
Testing Engineer at Intermolecular Inc., CA
88. **Suli Zhao**, *On the Scalability of Ad Hoc Wireless Networks*, Jan. 2008. Advisor: **D. Raychaudhuri**. Committee: W. Trappe, R. Yates, and A. Acharya (IBM TJ Watson research, Hawthorne, NY).
Qualcomm Inc., San Diego, CA
89. **Hongbo Liu**, *Cross-Layer Design for Reliable and Efficient Data Transmission over Multiple Antenna Mobile Infostation Networks*, Jan. 2008. Advisor: **N. Mandayam**. Committee: D. Raychaudhuri, R. Yates, and L. Razoumov.
Spirent Communications
90. **Xiangpeng Jing**, *Spectrum Coordination Protocols and Algorithms for Cognitive Radio Networks*, Jan. 2008. Advisor: **D. Raychaudhuri**. Committee: N. Mandayam, W. Trappe, and H. Liu.
Sony R&D, San Diego, CA
91. **Hanhog Chen**, *Dye Sensitized Solar Cells Using ZnO Nanotips and Ga-Doped ZnO Films*, Jan. 2008. Advisor: **Y. Lu**. Committee: W. Jiang, P. Panayotatos, K. Sheng, and A. Pasquier (Material Sciences and Engineering, Rutgers University).
Testing Engineer at Intermolecular Inc., CA
92. **Yuzhu Li**, *Design, Fabrication and Process Development of 4H-Silicon Carbide Trench and Implanted Vertical Junction Field-Effect Transistor*, Jan. 2008. Advisor: **J. Zhao**. Committee: W. Jiang, K. Sheng, and M. Weiner (United Silicon Carbide Inc., New Brunswick, NJ).
Institute of Electronic Devices, China
93. **Jun Zhu**, *Tunable ZnO Surface Acoustic Wave Devices Based on Acoustoelectric Interaction*, Jan. 2008. Advisor: **Y. Lu**. Committee: P. Panayotatos, W. Jiang, and A. Safari (Material Science and Engineering, Rutgers University).
Senior Design Engineer, Anadigics, NJ
94. **Zhibin Wu**, *Towards Conflict-Free Switching in Multihop Wireless Mesh*, Jan. 2008. Advisor: **D. Raychaudhuri**. Committee: W. Trappe, Y. Zhang, and H. Liu (Thomson).
Qualcomm Inc., Bridgewater, NJ
95. **Zheng Zhang**, *ZnO Nanotip-based Acoustic Wave Sensors*, Jan. 2008. Advisor: **Y. Lu**. Committee: W. Jiang, K. Sheng, and E. Galoppini (Chemistry Department, Rutgers University).
Device Engineer, Spansion, Inc., CA
96. **Raghav Subbarao**, *Robust Statistics over Riemannian Manifolds for Computer Vision*, May 2008. Advisor: **P. Meer**. Committee: K. Dana, S. Orfanidis, W. Trappe, and Y. Genc (Siemens, NJ).
HBK Capitol, Dallas, TX
97. **Gaurav Saraf**, *Studies of In-plane Anisotropic Physical Properties in a-plane $Mg_xZn_{1-x}O$* , 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

98. **Ying Chen**, *Piezoelectricity in ZnO-based Multilayer Structures for Sensor Applications*, May **2008**. Advisor: **Y. Lu**. Committee: W. Jiang, K. Sheng, R. Wittstruck (US Army, Fort Monmouth, NJ).
Senior Engineer, Qualcomm, CA.
99. **Rahul Pupala**, *Investigation of Co-Channel Interference, Channel Dispersion, and Multi-User in MIMO-Based Cellular System*, May **2008**. Advisor **D. Daut**. Committee: L. Greenstein, N. Mandayam, P. Spasojevic, and L. Cimini Jr. (University of Delaware).
Alcatel-Lucent, Inter Digital Communications
100. **Hou-Shin Chen**, *Spectrum Sensing for Wireless Broadcast Communication Systems*, May **2008**. Advisor: **D. Daut**. Committee: I. Marsic, S. Orfanidis, P. Spasojevic, and W. Gao (Thomson Inc., NJ).
Thomson Inc., NJ
101. **Viraj Bhat**, *Automatic Management of Data Streaming and In-Transit Processing for Data Intensive Scientific Workflows*, May **2008**. Advisor: **M. Parashar**. Committee: I. Marsic, D. Pompili, S. Klasky (Oak Ridge National Labs, TN), and C. Marty (Bloomberg LLC, NY).
Yahoo, Santa Clara, CA
102. **Baik Hoh**, *Achieving Guaranteed Anonymity in Time Series Location Data*, Oct. **2008**. Advisor: **M. Gruteser**. Committee: R. Yates, Y. Zhang, H. Xiong (MSIS Department, Rutgers University, Newark).
Nokia Research, Palo Alto, CA.
103. **Yongxi Zhang**, *Development of 4H Silicon Carbide JFET-Based Power Integrated Circuits*, Oct. **2008**. Advisor: **J. Zhao**. Committee: W. Jiang, K. Sheng, and M. Weiner (United Silicon Carbide Inc., New Brunswick, NJ).
Texas Instruments
104. **Jun Hu**, *4H-SiC Detectors for Low Level Ultraviolet Detection*, Oct. **2008**. Advisor: **J. Zhao**. Committee: W. Jiang, K. Sheng, and M. Weiner (United Silicon Carbide Inc., New Brunswick, NJ).
Alpha & Omega Semiconductor, CA, Sr. Product Engineer
105. **Jian Zhang**, *Exploiting Wireless Broadcasting Nature for High-Throughput 802.11 Mesh Networks*, Oct. **2008**. Advisor: **I. Marsic**. Committee: M. Parashar, Y. Zhang, and Dr. J. Sucec (Telecordia Technologies, Piscataway, NJ)
Integrated Solutions Inc., Holmdel, NJ
106. **Jian Wu**, *Design and Fabrication of 4H-Silicon Carbide MOSFETs*, Jan. **2009**. Advisor : **J. Zhao**. Committee: W. Jiang, K. Sheng, and M. Weiner (United Silicon Carbide Inc., New Brunswick, NJ).
Credit Swiss, Boston
107. **Kishore Ramachandran**, *Bit-Rate Transmit Power and Beam Pattern Selection in CSMA Wireless Networks*, Jan. **2009**. Advisor: **M. Gruteser**. Committee: D. Raychaudhuri, P. Spasojevic, and R. Kokku (NEC Laboratories, Princeton, NJ).
NEC Labs, Princeton, NJ
108. **Silvija Kokalj-Filipovic**, *Infrastructures for Data Dissemination and In-Network Storage in Location-Unaware Wireless Sensor Networks*, Jan. **2009**. Advisors: **R. Yates and P. Spasojevic**. Committee: D. Raychaudhuri, M. Gruteser, and E. Soljanin (Alcatel-Lucent).
Navy Research Labs
109. **Zhuyu Lei**, *Utility-Based Power Control for Packet Switched Wireless Networks*, Jan. **2009**. Advisor: **N. Mandayam**. Committee: C. Rose, R. Yates, D. Goodman (Polytechnic University) and Dr. S. Grandhi (Intel Digital Corporation).
Alcatel-Lucent, MTS

110. **Joedeep Acharya**, *Utility and Profit Maximization in Dynamic Spectrum Allocation*, May 2009. Advisor: **R. Yates**. Committee: C. Rose, N. Mandayam, and M. Buddhikot (Alcatel-Lucent Bell Labs, Muray Hill, NJ).
Hitachi Labs, San Jose, CA
111. **Liang Xiao**, *PHY-Techniques to Improve Higher-Layer Functions in Wireless Networks*, May 2009. Advisor: **N. Mandayam**. Committee: W. Trappe, L. Greenstein, and R. Valenzuela (Alcatel-Lucent).
Associate Professor, Xiamen University, China
112. **Lin Yang**, *Robust Segmentation and Object Classification in Natural and Medical Images*, May 2009. Advisor: **P. Meer**. Committee: K. Dana, M. Parashar, Y. Zhang, and D. Foran (UMDNJ-Robert Wood Johnson Medical School).
Assistant Professor, University of Kentucky, Lexington, KY
113. **Nanyan Jiang**, *A Programming System for Sensor-Driven Scientific Applications*, May 2009. Advisor: **M. Parashar**. Committee: I. Marsic, D. Pompili, Y. Zhang, and H. Pham (Industrial and Systems Engineering, Rutgers University).
Microsoft
114. **Maria Velez**, *A Cognition-Based Framework for the Development of Visualization Literacy*, May 2009. Advisors: **D. Silver** and **M. Tremaine**. Committee: K. Dana, J. Wilder, and C. Ware (University of New Hampshire).
Computer Associates, CA
115. **Chandra Sekhar Mantravadi**, *Adaptive Multimodal Integration for Human Understanding using Speech and Gaze*, Oct. 2009. Advisors: **J. Wilder** and **M. Tremaine**. Committee: I. Marsic, L. Rabiner, R. Mammone, and J. Gwizdka (Library and Information Sciences, Rutgers University).
Barclays Capital, Vice-President
116. **Fu-Yi Hung**, *Performance Analysis of the IEEE 802.11 – Based Wireless Networks in the Presenece of Hidden Stations*, Oct. 2009. Advisor: **I. Marsic**. Committee: D. Daut, D. Pompili, and L. Cheng (Lehigh University).
Assistant Professor, Tamkang University, Tamsul, Taiwan
117. **Petre Alexandrov**, *Development of 4H-SiC High Voltage Unipolar Power Switching Devices*, Oct. 2009. Advisor: **J. Zhao**. Committee: W. Jiang, M. Tayahi, and M. Weiner (United Silicon Carbide, New Brunswick, NJ).
United Silicon Carbide
118. **Yu Zhang**, *Enhancing the Efficacy and Security of Engineering Wireless Systems*, Oct. 2009. Advisor: **W. Trappe**. Committee: Y. Zhang, D. Raychaudhuri, and Y. Chen (Stevens Institute of Technology).
Broadcom
119. **Zang Li**, *Opportunistic Secret Communication in Wireless Networks*, Oct. 2009. Advisors: **W. Trappe** and **R. Yates**. Committee: N. Mandayam, and R. Liu (Princeton University).
Juniper Networks, Fremont, CA
120. **Eun-Hyeong Yi**, *Photo-Assisted Wet (PAW) Etching for Laser Fabrication*, Oct. 2009. Advisor: **M. Parker**. Committee: Y. Lu, S. McAfee, Z. Gajic, M. Caggiano, and G. Sigel (Materials and Science Engineering, Rutgers University).
121. **Jun Hou**, *On the Use of Frame and Segment-Based Methods for the Detection and Classification of Speech Sounds and Features*, Oct. 2009. Advisor: **L. Rabiner**. Committee: J. Wilder, I. Marsic, A. Rosenberg (CAIP, Rutgers University), C-H. Lee (Georgia Tech).
AT&T, Middletown, NJ

122. **Canute Vaz**, *Estimation and Equalizations of Communications Channels Using Wavelet Transforms*, Jan. 2010. Advisor: **D. Daut**. Committee: S. McAfee, S. Organidis, P. Sannuti, and R. Chant (Marine and Coastal Sciences, Rutgers University).
Robertson Technologies
123. **Ka Mun Ho**, *Automatic recognition and Demodulation of Digitally Modulated Communication Signals Using Wavelet-Domain Signatures*, Jan. 2010. Advisor: **D. Daut**. Committee: Z. Gajic, S. Orfanidis, L. Rabiner, and A. Madabhushi (Bioengineering Department, Rutgers University).
Postdoctoral Cornell University
124. **Ming Su**, *Power Devices and Integrated Circuits Based on 4H-SiC Lateral JFETs*, May 2010. Advisor: **K. Sheng and J. Zhao**. Committee: Y. Lu, and K. Cheung (National Institute of Standards).
Ford Motor Co.
125. **Liangchun Yu**, *Simulation, Modeling and Characterization of SiC*, May 2010. Advisor: **K. Sheng**. Committee: W. Jiang, Y. Lu, and K. Cheung (National Institute of Standards).
National Institute of Standards, Maryland
126. **Chandrasekharan Raman**, *Relaying and Scheduling in Interference Limited Wireless Networks*, May 2010. Advisors: **R. Yates, N. Mandayam, and G. Foschini**. Committee: A. Sampath (Qualcomm).
Alcatel-Lucent Murray Hill, NJ
127. **Xiaojun Tang**, *Communication over Wireless Channels with Information-Theoretic Secrecy*, May 2010. Advisor: **P. Spasojevic**. Committee: N. Mandayam and R. Yates, and V. Poor (Princeton University).
Marvel Technology Group Santa Clara, CA
128. **Thang Tien Nguyen**, *Sliding Mode Control for Systems with Slow and Fast Modes*, May 2010. Advisor: **Z. Gajic**. Committee: D. Pompili and D. Spasojevic, and Wu-Chung Su (National Chung Hsing University of Taiwan).
Research Associate, University of Leicester, UK
129. **Andres Quiroz Hernandez**, *Decentralized Online Clustering for Supporting Automatic Management of Distributed Systems*, May 2010. Advisor: **M. Parashar**. Committee: D. Pompili, M. Gruteser, and N. Gnanasambandam (Xerox Corporation).
Xerox, Webster NY
130. **Aliye Ozge Kaya**, *Channel Modeling Approaches to Wireless System Design and Analysis*, Oct. 2010. Advisor: **W. Trappe** and **L. Greenstein**. Committee: N. Mandayam, D. Chizek (Alcatel-Lucent).
Alcatel-Lucent
131. **Suhas Mathur**, *Building Information-Theoretic Confidentiality and Traffic Privacy into Wireless Networks*, Oct. 2010. Advisors: **W. Trappe** and **N. Mandayam**. Committee: D. Raychaudhuri, M. Gruteser, and A. Reznik (Inter Digital Communications).
AT&T Security Labs
132. **Mesut Ergin**, *Performance Improvements for Unplanned High density Wireless LANs*, Oct. 2010. Advisor: **M. Gruteser**. Committee: D. Raychaudhuri, P. Spasojevic, and R. Martin (Computer Science Department, Rutgers University).
Intel Labs, Hillsboro, OR
133. **Song Liu**, *Interference Issues in Modern Communication Systems*, Oct. 2010. Advisor **W. Trappe**. Committee: L. Greenstein, N. Mandayam, and Y. Chen (Stevens Institute of Technology).
Apple

134. **Hee Taek Yi**, *Functional Transport properties in Complex Transition Metal Oxides*, Oct. **2010**. Advisor: **S-W. Cheong**. Committee: P. Panayotatos, W. Jiand, and W. Wu (Physics department, Rutgers University).
Rutgers University, Department of Physics, Researcher.
135. **Lin Luo**, Association, *Routing and Scheduling Algorithms for Enhancing Throughput and Fairness in Wireless Mesh Networks*, Oct. **2010**. Advisor: **D. Raychaudhuri**. Committee: R. Yates, W. Trappe, and H. Liu (Thomson Inc., Princeton).
Marvel Technology Group, Santa Clara, CA
136. **Beizhong Chen**, *Reducing Handover Latency and Improving TCP Performance in Wireless Networks*, Oct. **2010**. Advisor: **I. Marsic**. Committee: D. Daut, D. Pompili, and L. Cheng (Lehigh University).
Atheros, San Jose, CA
137. **Jing Lei**, *Optimization Technique for Configuration of Advance Wireless Networks*, Jan. **2011**. Advisor: **R. Yates**. Committee: L. Greenstein, M. Gruteser, W. Trappe, S. Kishore (Lehigh University).
Qualcom, was with Marvel Semiconductors, Santa Clara, CA
138. **Haris Kremo**, *On Spatial and Temporal Coherence of a Class of Wireless Vehicular Short Range Channels*, Jan. **2011**. Advisor: **P. Spasojevic**. Committee: S. Oranidis, R. Yates, L. Greenstein, Dr. Dmitry Chizhik (Alcatel-Lucent, Holmdel, NJ).
Postdoctoral, Toyota Research Center, Tokyo.
139. **Mingliang Wang**, *Object-Oriented Stream Programming using Aspects: A High-Productivity Programming Paradigm for Hybrid Platforms*, Jan. **2011**. Advisor: **M. Parashar**. Committee: D. Pompili, Y. Zhang, U. Kremer (Computer Science Department, Rutgers University).
Google
140. **Madhavi Vedula Ratnagiri**, *Design of Loss Functions and Future Transformation for Minimum Classification Error Based Automatic Speech Recognition*, Jan. **2011**. Advisor: **L. Rabiner**. Committee: J. Wilder, I. Marsic, and Biing-Hwang Juang (Georgia Tech).
Li Creative Technologies Inc.
141. **Michael Loiacono**, *Cross-Layer Performance Analysis and Adaptation for Real-Time Wireless Video Streaming*, Jan. **2011**. Advisor: **W. Trappe**. Committee: K. Dana, D. Raychaudhuri, M. Gruteser, and J. Rosca (Siemens, Princeton, NJ).
Siemens
142. **Manish Mahajan**, *Dynamic Modeling and Forecasting Algorithms for Financial Data Systems*, Jan. **2011**. Advisor: **N. Puri**. Committee: Z. Gajic, I. Marsic, B. Jaggi (Rutgers Business School), and C. Lee (Rutgers Business School).
143. **Robert D. Miller**, *Exploiting the Physical Layer to Enhance Wireless Operation with Cognitive Radios*, Jan. **2011**. Advisor: **W. Trappe**. Committee: D. Raychaudhuri, M. Gruteser, P. Pruncal (Princeton University).
Telecordia
144. **Lijun Dong**, *Content Caching, Retrieval and Dissemination in Networks with Storage*, May **2011**. Advisor: **Y. Zhang**. Committee: D. Raychaudhuri, R. Yates, and Hang Liu (Inter Digital Communications, LLC, King of Prusia, PA).
Inter Digital, PA

145. **Ryan Elkholy**, *Novel Multi-Electrode Probe with Three Dimensional Spatial Resolution for Simultaneous Recording/Stimulation in Long-Term Adaptive Deep Brain Stimulation*, May **2011**. Advisor: **E. Micheli-Tzanakou**. Committee: M. Caggiano, Z. Gajic, V. Radisavljevic (California State University, Los Angeles).
Cerebrus Corporation, Morris Place, NJ
146. **Emir Elkholy**, *Novel Neurochip Design Implementation ALOPEX for Use in an Automated Deep Brain Simulation System for Parkinson's Patients*, May **2011**. Advisor: **E. Micheli-Tzanakou**. Committee: M. Caggiano, Z. Gajic, V. Radisavljevic (California State University, Los Angeles).
Cerebrus Corporation, Morris Place, NJ
147. **Ryan Integlia**, *Dispersion of a Silicon Based Micro- and Nano- Photonic Structure and Its Device Applications*, May **2011**. Advisor: **W. Jiang**. Committee: M. Caggiano, Y. Lu, and W. Soboyejo (Princeton University).
Internet Infrastructure Services Corp., NJ
148. **Gautam Bhanage**, *Network Visualization on the Wireless Edge*, Oct. **2011**. Advisors: **D. Raychaudhuri and Y. Zhang**. Committee: W. Trappe, M. Gruteser, S. Rangarajan (NEC Labs, Princeton, NJ).
Aruba Networks, CA
149. **Ciprian Docan**, *Enabling Dynamic Interactions in Large Scale Applications and Scientific Workflows using Semantically Specialized Shared Data Spaces*, Oct. **2011**. Advisor: **M. Parashar**. Committee: I. Marsic, D. Silver, Y. Zhang, G. Allen (Louisiana State University, Baton Rouge).
Google
150. **Sushil Mittal**, *User-Independent Robust Statistics for Computer Vision*, Oct. **2011**. Advisor: **P. Meer**. Committee: K. Dana, S. Orfanidis, A. Petropulu, and Y. Zheng (Siemens, Princeton, NJ).
Columbia University, Postdoctoral
151. **Jignesh S. Panchal**, *Inter-Operator Resource Sharing in 4G LTE Cellular Networks*, Oct. **2011**. Advisor: **R. Yates**. Committee: D. Raychaudhuri, N. Mandayam, and M. Buddhikot (Alcatel-Lucent, Murray Hill, NJ).
Alcatel-Lucent, Murray Hill, NJ
152. **Sanjit Krishnan Kaul**, *Vehicle-to-Vehicle Messaging for Enhancing Road Safety*, Oct. **2011**. Advisor: **M. Gruteser**. Committee: R. Yates, D. Raychaudhuri, and J. B. Kenney (Toyota, Mountain View, CA).
Assistant Professor, IIIT Delhi
153. **Shengchao Yu**, *Robust Sentry-Based Schemes: Towards Long-Lived, Fault-Tolerant Wireless Sensor Networks*, Jan. **2012**. Advisor: **Y. Zhang**. Committee: D. Raychaudhuri, W. Trappe, and Y. Chen (Stevens Institute of Technology).
FlexTrade Systems
154. **Rahul Radhakrishnan**, *A Monolithically Integrated Power JFET and Junction Barrier Schottky Diode in 4H Silicon Carbide*, Jan. **2012**. Advisor: **J. Zhao**. Committee: W. Jiang, J. Jeon, and R. Woodin (Global Power Device Co., Irvine CA).
Texas Instruments
155. **Vamadevan Nambodiri**, *Low Complexity Iterative Receiver Design for OFDM Systems*, May **2012**. 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 $Mg_xZn_{1-x}O$ 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).
Member of Technical Staff, Applied Materials Inc. CA
157. **Pavel Ivanoff Reyes**, *Multifunctional Biosensors Using ZnO and Its Nanostructures*, May 2012. Advisor: **Y. Lu**. Committee: W. Jiang, J. Jeon, W. Lai, and N. Boustany (Rutgers Biomedical Engineering Department).
Postdoctoral Rutgers University.
158. **Sangho Oh**, *Implicit Coordination Techniques for Wireless Communication*, May 2012. Advisor: **M. Gruteser**. Committee: D. Raychaudhuri, W. Trappe, and R. Martin (Computer Science, Rutgers).
AT&T Bell Labs
159. **Dan Zhang**, *On Dynamics of Random Network Coding*, Oct. 2012. Advisor: **N. Mandayam**. Committee: R. Yates, P. Spasojevic, and E. Soljanin (Alcatel-Lucent).
Qualcomm
160. **Yao Li**, *Content Networking with Packet Level Coding*, Oct. 2012. Advisor: **P. Spasojevic**. Committee: D. Raychaudhuri, R. Yates, and E. Soljanin (Alcatel-Lucent).
Akamai, was postdoctoral at UCLA
161. **Baozhi Chen**, *Inter-Glider Underwater Communication and Coordination for Ocean Monitoring and Coastal Tactical Surveillance*, Oct. 2012. Advisor: **D. Pompili**. Committee: M. Parashar, I. Marsic, and U. Kremer (Rutgers Computer Science Department)
Bloomberg
162. **Yupeng Liu**, *Multi-user Relaying Systems for Enhanced Performance and Secrecy*, Oct. 2012. Advisor: **A. Petropulu**. Committee: W. Bajwa, P. Spasojevic, W. Trappe, and H. Li (Stevens Institute of Technology).
Broadcomm
163. **Siddika Parlak**, *Object Detection and Activity Recognition in Time-Critical Dynamic Medical Setting Using RFID*, Jan. 2013. Advisor: **I. Marsic**. Committee: M. Parashar, D. Pompili, W. Bajwa, and L. Cheng (Lehigh University).
Qualcomm, CA
164. **Siddharth Madan**, *Computer Vision Methods for Large-scale Online Clustering and Quantitative Dermatology*, May, 2013. Advisor: **K. Dana**. Committee: P. Meer, I. Marsic, S. Orfanidis and G. Oana Cula (Johnson & Johnson).
Aware (Biometrics), Boston, MA
165. **Weiwei Song**, *Optical And Thermal Properties Of Periodic Photonic Structures On A Silicon-On-Insulator Platform*, May, 2013. Advisor: **W. Jiang**. Committee: J. Jeon, Y. Lu, W. Lai and G. Celler (Rutgers University).
Photonic IC, CA (bay area)
166. **Chieh-Jen Ku**, *Electrical Characteristics And Stability Of Novel $Mg_xZn_{1-x}O$ ($0 \leq X \leq 0.06$) Thin Film Transistors*, May, 2013. Advisor: **Y. Lu**. Committee: W. Jiang, J. Jeon, W. Lai and D. Birnie (Rutgers University).
Intel
167. **Goran Ivkovic**, *Localization of Packet Based Radio Transmitters in Space, Time and Frequency*, May, 2013. Advisor: **P. Spasojevic**. Committee: A. Petropulu, P. Meer and M. Doroslovacki (George Washington University).
iBiquity Digital Corporation, Member of Technical Staff

168. **Jun Tan**, *Novel Nanophotonic Structures and Devices for Communication and Lithography Applications*, Oct, **2013**. Advisor: **W. Jiang**. Committee: Y. Lu, J. Jeon, W. Lai and M. Lu (Brookhaven National Laboratory).
Intel Corporation, Process TD Engineer
169. **Lei Lin**, *Design and Fabrication of 4H Silicon Carbide Gate Turn-off Thyristors*, Oct. **2013**, Advisor: **J. Zhao** (administrated by Z. Gajic). Committee: J. Jeon, L. Feldman, W. Jiang and G. Celler (Rutgers University).
SandDisk, Senior Device Engineer, Milpitas, CA
170. **Tianming Li**, *Cognitive Radio Networks: Resource Allocation and Effect of End-User Behavior*, Oct. **2013**. Advisor: **N. Mandayam**. Committee: D. Raychaudhuri, R. Yates, and C. Comaniciu (Stevens Institute of Technology).
Broadcom, NJ
171. **Narayanan Krishnan**, *Coverage and Capacity of Next Generation Cellular Radio Systems: Bandwidth Sharing and Massive MIMO*, Oct. **2013**. Advisors: **N. Mandayam** and **R. Yates**. Committee: P. Spasojevic, W. Bajwa, and Dr. T. Marzetta (Bell Labs Alcatel-Lucent).
Qualcomm, Senior Engineer
172. **Rishabh Dudheria**, *Resilient Regulation of Wireless Communication in Distributed Systems*, Oct. **2013**. Advisor: **W. Trappe**. Committee: D. Raychaudhuri, J. Lindqvist, and N. Minsky (Computer Science, Rutgers University).
173. **Saket Anand**, *Robust Methods for Multiple Model Discovery in Structured and Unstructured Data*, Oct. **2013**. Advisor: **P. Meer**. Committee: A. Petropulu, K. Dana, L. Rabiner, and Dr. M. Singh (Sarnoff Cooperation, Princeton, NJ).
Indraprastha Institute of Information Technology, I.I.I.T. Delhi, India Assistant Professor
174. **Bin Zan**, *Vehicular Sensing Networks: Efficiency, Security & Privacy*, Oct. **2013**. Advisor: **M. Gruteser**. Committee: D. Raychaudhuri, Y. Zhang, and Dr. X. Ban (Rensselaer Polytechnic Institute).
Broadcom, CA
175. **Sedat Ozer**, *Activity Detection in Scientific Visualization*, Oct. **2013**. Advisor: **D. Silver**. Committee: M. Parashar, S. Jha, and K-L. Ma (University of California Davis).
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
177. **Gang Liu**, *4H-Silicon Carbide MOSFET Interface Structure, Defect States and Inversion Layer Mobility*, Jan. **2014**. Advisor **L. Feldman**. Committee: Y. Lu, J. Jeon, and E. Garfunkel (Chemistry, Rutgers University).
Rutgers University, Department of Material Sciences and Engineering, Postdoctoral
178. **Gun-Hyung Park**, *Modeling and Control of Proton Exchange Membrane and Solid Oxide Fuel Cells and Solar Cells*, Jan. **2014**. Advisor: **Z. Gajic**. Committee: D. Pompili, P. Spasojevic, J. Yi, and Dr. E. Shoubaki (Petra Solar Company, NJ).
Hyundai, Seoul, Korea, Senior Control Systems Engineer
179. **Hariharasudhan Viswanathan**, *Uncertainty-Aware Autonomic Resource Management in Mobile Computing Grids*, May **2014**. Advisor: **D. Pompili**. Committee: M. Parashar, I. Marsic, Dr. H. Liu (Catholic University of America).
Zenefits, San Francisco, CA

180. **Akash Baid**, *Dynamic Spectrum Management Architecture and Algorithms for the Future Mobile Internet*, May **2014**. Advisor: **D. Raychaudhuri**. Committee: R. Yates, W. Trappe, and J. Rexford (Princeton University).
Terrano Wireless, CA
181. **Tingting Sun**, *Enhancing Network Functionalities for Emerging Mobile Networks Through Learning*, May **2014**. Advisors: **Y. Zhang** and **W. Trappe**. Committee: Y. Chen (Stevens Institute of Technology).
Broadcom. Inc., NJ
182. **Maja Skataric**, *Scale Invariance in Biological Systems*, Oct. **2014**. Advisor: **E. Sontag**. Committee: S. Orfanidis, Z. Gajic, D. Daut, and M. Baykal-Gursoy (Rutgers, Industrial and Systems Engineering).
Schlumberger-Doll, Research Scientist, Cambridge, MA.
183. **Muhammad Nazmul Islam**, *Noncontiguous Spectrum Access and Small Cell Network Design*, Oct. **2014**. Advisor: **N. Mandayam**. Committee: R. Yates, D. Raychaudhuri, S. Kompella (US Naval Research Laboratory).
Qualcom, Bridgewater, NJ, Senior Research Engineer
184. **Aswin Ashok**, *Design, Modeling, and Analysis of Visual MIMO Communication*, Oct. **2014**. Advisors: **M. Gruteser** and **N. Mandayam**. Committee: K. Dana and T. D. Little (Boston University).
Carnegie Mellon University, postdoctoral
185. **Yang Zhang**, *Zinc Oxide-based Resistive Switching Devices*, Oct. **2014**. Advisor **Y. Lu**. Committee: J. Jeon, W. Lai, and D. Birnie (Rutgers, Material Science and Engineering).
Global Founders, Senior Engineer
186. **Chenren Xu**, *Learning Human Context through Unobstrusive Methods*, Oct. **2014**. Advisor: **Y. Zhang**. Committee: W. Trappe, R. Martin, and Y. Chen (Stevens Institute of Technology).
Carnegie Mellon University, postdoctoral (Assistant Professor, Peking University in 2016/17)
187. **Wenjia Yuan**, *Computational Photography Methods for Visual MIMO*, Jan. **2015**. Advisor: K. Dana. Committee: M. Gruteser, N. Mandayam, Y. Zhang, and A. Elgammal (Rutgers, Computer Science).
Google, Software Engineer
188. **Eun Kyung Lee**, *Proactive Thermal-aware Management in Cloud Datacenters*, Jan. **2015**. Advisor: **D. Pompili**. Committee: . Parashar, I. Rodero, and R. Figueiredo (University of Florida).
IBM, NY, postdoctoral
189. **Rajesh Kappera**, *Electronic Properties and Phase Engineering of Two Dimensional MOS₂*, Jan. **2015**. Advisor: **M. Chhowalla**. Committee: Y. Lu, M. Caggiano, A. Mohite (Los Alamos National Laboratory).
Applied Materials, Santa Clara, CA, Solar Cell Process Engineer
190. **Fan Zhang**, *Programming and Run Time Support for Enabling Data-Intensive Coupled Scientific Simulation Workflows*, May **2015**. Advisor: **M. Parashar**. Committee: D. Silver. I. Marsic, I. Rodero, S. Klasky (Oak Ridge National Laboratory).
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**.
6. **Lalitha SHANKAR**, Assistant Professor, Arizona State, RU 2007, advisor **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 Gainesville, 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**.
20. **Helmuth TREFFTZ**, Professor, EAFIT University, Columbia, RU **2002**, advisor **R. Mammone**.
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**.
6. **Ezhan KARASAN**, Professor **Bilkent University**, Turkey, RU **1995**. Advisor **J. Hui**.
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**.
13. **John DOHERTY**, Professor, **Pennsylvania State University**, RU **1990**, advisor **R. Mammone**.
14. **Ozan TONGUZ**, Professor, **Carnegie Mellon University**, RU **1990**, advisor **D. Daut**.
15. **Dongming ZHAO**, Professor, University of Michigan Dearborn. Oct. **1990**, advisor **D. Daut**.
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)