



## 2008 Grad Cohort Speakers



**Animashree Anandkumar** received the B.Tech degree in Electrical Engineering from Indian Institute of Technology Madras, India in 2004. She is currently a 4th year Ph.D. student in Electrical Engineering at Cornell University, Ithaca, NY. Her research interests are in the area of statistical-signal processing, information theory and networking. Specifically, she has been working on detection and estimation, asymptotic analysis and routing, in the context of wireless-sensor networks. She received the Fran Allen IBM Ph.D. fellowship for the year 2008-09 and was named a finalist for the Google Anita-Borg Scholarship 2007-08. She also received the Student Paper Award at the 2006 International Conference on Acoustic, Speech and Signal Processing (ICASSP).



**Hila Becker** is a Ph.D. candidate in the Computer Science department at Columbia University. Her research interests are in the areas of Machine Learning and Information Retrieval. Her work includes learning from time-changing data streams and developing novel Machine Learning techniques for Information Retrieval problems. Hila received a Masters degree in Computer Science from Columbia University in 2006 and a Bachelors degree in Computer Science and Applied Mathematics and Statistics from Stony Brook University in 2004. She is the president of Columbia's ACM-W Chapter and the organizer of the Women in Machine Learning 2007 workshop.



**Carla E. Brodley** is a professor in the Department of Computer Science at Tufts University and is currently serving as acting chair. She received her Ph.D. in computer science from the University of Massachusetts, at Amherst in 1994. From 1994-2004, she was on the faculty of the School of Electrical Engineering at Purdue University, West Lafayette, Indiana. Professor Brodley's research interests include computer security, machine learning and knowledge discovery in databases. She has worked in the areas of intrusion detection, anomaly detection in networks, hardware support for security, classifier formation, unsupervised learning and applications of machine learning to remote sensing, computer security, digital libraries, astrophysics, and content-based image retrieval of medical images. In 2001 she served as program co-chair for the

International Conference on Machine Learning (ICML) and in 2004, she served as the general chair for ICML. Currently she is an associate editor of Computers and Security and the Machine Learning Journal. She is a member of the Computing Research Association's Committee on the Status of Women in Computing Research (CRA-W).



**Lori A. Clarke** is a professor in the Department of Computer Science at the University of Massachusetts, Amherst. She is a Fellow of the ACM, vice chair of the Computing Research Association (CRA), and co-chair of the Computing Research Association's Committee on the Status of Women in Computing Research (CRA-W). She received a 2004 Distinguished Engineering Alumni Award from the University of Colorado, Boulder, the 2002 SIGSOFT Distinguished Service Award, a 1993 University Faculty Fellowship, and a 1991 University of Massachusetts Distinguished Faculty Chancellor's Medal. She is a former IEEE Publication Board member, associate editor of ACM TOPLAS and IEEE TSE, member of the CCR NSF advisory board, ACM SIGSOFT secretary/treasurer, vice-chair and chair, IEEE Distinguished Visitor, and ACM

National Lecturer. She has written numerous papers, served on many program committees, and was program co-chair of the 14th and general chair of the 25<sup>th</sup> International Conference on Software Engineering, the premier conference in Software Engineering. She has been a Principal Investigator on a number of NSF and DARPA projects.

Dr. Clarke's research is in the area of software engineering, primarily focusing on the finite-state verification of concurrent systems and requirements engineering. Recently she has been investigating applying software engineering technologies to detect errors and vulnerabilities in complex processes in domains such as medicine, scientific workflow, and digital government. She is also involved in several efforts to increase participation of underrepresented groups in computing research.



**Jan Cuny** is a Professor at the University of Oregon, working mostly in the area of domain-specific support for computational modeling. Since 2004, she has been at the National Science Foundation, heading the CISE Broadening Participation in Computing initiative. Jan was a long time member of the Computing Research Association's Committee on the Status of Women (CRA-W), serving at various times as a CRA-W co-chair, and the lead on their Academic Career Mentoring, Grad Cohort, and Cohort for Associated Professors projects. Jan has also been on the Advisory Board for Anita Borg Institute for Woman and Technology, the Leadership team of the National Center for Women in Technology, and the Executive Committee of the Coalition to Diversify Computing. She was Program Chair of the 2004 Grace Hopper Conference and General Chair of the 2006

conference. She is a member of the ACM Ed Council. Jan is also a wife, mother, grandmother, and court-appointed advocate for a number of children in the foster care system.



**Laurie Dillon** is a professor at Michigan State University (MSU). Her research interests center on model-based design of concurrent software systems, formal methods, software engineering and programming languages. Laurie chaired the inaugural Michigan Celebration of Women in Computing this last spring and she currently serves on the Executive Committee of ACM SIGSOFT. This year, Laurie is also co-chairing the New Software Engineering Faculty Symposium at ICSE'2008 and the Software Engineering Educators Symposium at FSE'2008. Laurie is married to Ace Sarnelle, an associate professor at MSU specializing in freshwater ecology. They have two children, who are now both young adults.



**Vina Ermagan** is a third year Ph.D. student in the Computer Science and Engineering Department at University of California San Diego. She is working under supervision of professor Krüger. As a member of the Service-oriented Software and Systems Engineering Laboratory, her main research focus is on Service-oriented Architectures, Failure Management in Distributed Reactive Systems, Modeling and Architecture Definition Languages, and Development Processes. She received her B.Sc. in Computer Engineering from Sharif University of Technology in 2005.



**Kathleen Fisher** actively contributes to the field of programming languages, publishing papers in PLDI, POPL, ICFP, ECOOP, DSL, KDD, and TOPLAS. Her early work on the foundations of object-oriented languages led to the design of the class mechanism in Moby. The main thrust of her recent work has been in domain-specific languages to facilitate programming with massive amounts of ad hoc data. In particular, Kathleen initiated and leads the PADS project. PADS is a system that allows data analysts to write declarative descriptions of ad hoc data, including both physical layout information and semantic constraints. From such descriptions, the PADS system generates tools and applications for manipulating the data. The descriptions are concise enough to serve as "living" documentation while flexible enough to describe most of the formats that arise in practice. Kathleen is Vice Chair of SIGPLAN, on the board of CRA-W, and an editor of the Journal of Functional Programming.



**Naomi Fox** is a third year graduate student in Computer Science at the University of Massachusetts, Amherst. She received a BA in computer science from Smith College in 2002, and a BE in engineering from Dartmouth College in 2003. She is working on her PhD under Prof Ileana Streinu. Her research work involves applying techniques from computational geometry and rigidity theory to study protein motion.



**Joan Francioni** is a Full Professor of Computer Science and Adjunct Professor of Women and Gender Studies, at Winona State University. She is also the Director of the *Center for Engaged Teaching and Scholarship* at Winona State. Joan is originally from New Orleans and received the first Computer Science Ph.D. degree awarded by Florida State University in 1981. Since 1985, she has been on the faculty at four different universities, spent one year as a visiting scientist at a research institution, and was promoted to Full Professor in 1998.

Her research area in Computer Science is in the field of assistive technology. In particular, she has worked with computer science students with visual disabilities for the past seven years to identify and develop solutions to curriculum accessibility barriers. Her team is involved in developing specialized software solutions, both for programming and for studying Mathematics, that provide blind and visually impaired users with effective ways to study and learn computer science. As Director of the ETS Center, Joan works on campus-wide initiatives related to engaged pedagogy, i.e., providing students with relevant and authentic

experiences outside of class as part of their academic study. Joan has worn many hats throughout her professional career. But her main interests continue to be centered around teaching at the undergraduate level and working with traditional-age college students to develop their sense of self and civic responsibility.



**Maria Gini** is a Professor at the Department of Computer Science and Engineering of the University of Minnesota, where she is a member of the Academy of Distinguished Teachers. She is the winner of the Inaugural Distinguished Women Scholars Award from the University of Minnesota in 2001. Before she joined the University of Minnesota in 1982, she was a Research Associate at the Politecnico of Milan, Italy, and a Visiting Research Associate at Stanford University. Her work has included motion planning for industrial robots, navigation of mobile robots around moving obstacles, unsupervised learning of complex behaviors, coordinated behavior among multiple robots, and autonomous economic agents. She has coauthored over 200 technical papers.

She is currently the chair of ACM Special Interest Group on Artificial Intelligence (SIGART), a member of the American Association for Artificial Intelligence Executive Council, and a member of the board of the Intelligent Autonomous Systems society. She is on the editorial board of numerous journals, including *Autonomous Robots*, *Electronic Commerce Research and Applications*, *Integrated Computer-Aided Engineering*, and *Web Intelligence and Agent Systems*.



**Amy Ashurst Gooch** is an assistant professor at the University of Victoria in British Columbia, Canada. Amy earned her BS in Computer Engineering and MS in Computer Science from the University of Utah. Amy earned her PhD in Computer Science June 2006 at Northwestern University, where she was also a researcher and instructor. While working on her Masters degree in Computer Science, she explored interactive non-photorealistic technical illustration as a new rendering paradigm and presented part of this work at SIGGRAPH 1998 and at the SIGGRAPH 1999 course on Non-Photorealistic Rendering. She has also co-authored the first book in the field, "Non-Photorealistic Rendering", published by AK Peters, 2001. For five years as a research scientist at the University of Utah, her research focused on increasing the effectiveness of computer graphics in conveying information about the three-

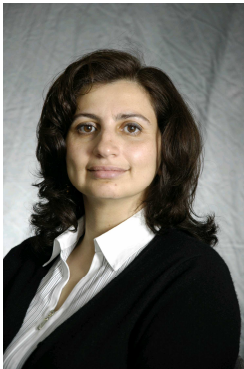
dimensional world. Her current research is part of an interdisciplinary effort involving computer graphics, perceptual psychology, and computational vision. She is interested in better understanding the spatial information potentially available in CG imagery, determining what spatial cues are actually used when CG imagery is viewed, and using this information to create improved rendering algorithms and visualizations. Research Areas: computer graphics, image processing, human perception, non-photorealistic rendering, computational aesthetics, computational photography.



**Mary Jean Harrold** received the BS and MA degrees in mathematics from Marshall University and the MS and PhD degrees in computer science from the University of Pittsburgh. She is the NSF ADVANCE Professor of Computing and Professor in the College of Computing at Georgia Institute of Technology, where she is a member of the Center for Experimental Research in Computer Systems (CERCS) and the Graphics, Visualization, and Usability Center (GVU-Center). Her research to date has involved automated software engineering, with an emphasis on regression testing, analysis and testing of imperative and object-oriented software, and development of software tools. Her recent research has concentrated on the investigation of the scalability issues of these techniques, through algorithm

development and empirical evaluation, on impact analysis and verification of avionics software, on using visualization techniques to improve the usability of the analysis information, and on application of program analysis to security.

Dr. Harrold is a recipient of the National Science Foundation's National Young Investigator Award for her work in regression testing and object-oriented analysis and testing. She serves on the editorial boards of IEEE Transactions on Software engineering and ACM Transactions on Programming Languages and Systems. She served as program co-chair for the 23rd International Conference on Software Engineering 2001 and as program chair for the ACM SIGSOFT International Symposium on Software Testing and Analysis 2000. She is currently serving on the program committee for 26th International Conference on Software Engineering 2004, and both on the program committee and co-chair of Diversity Programs for ACM SIGSOFT Foundations of Software Engineering 2004. Dr. Harrold is Vice Chair of ACM SIGSOFT, co-chair of the Computing Research Association's Committee on the Status of Women in Computing (CRA-W); previously she directed the committee's Distributed Mentor Project, and director of the Georgia Tech Hub of the new National Center for Women and Information Technology. Dr. Harrold is a member of Sigma Xi, a senior member of the IEEE Computer Society, and an ACM Fellow.



**Soha Hassoun** is an associate professor at Tufts University in the Department of Computer Science. She earned a Ph.D. from the Computer Science and Engineering Department at the University of Washington, Seattle, in 1997. Dr. Hassoun received a BSEE from South Dakota State University in 1986, and a Master's degree from MIT in 1988. She is currently on leave at Carbon Design Systems in Waltham, MA, leading their next generation product. Dr. Hassoun's research interests include CAD, VLSI design, and computer architecture. Her current research focuses on carbon nanotubes for circuit design, FinFETs, timing analysis for deep submicron circuits, and architectural synthesis for embedded systems. Prior to pursuing her Ph.D., Dr. Hassoun worked as a chip designer in the microprocessor design group at Digital Equipment Corporation. She was one of the 21064 Alpha processor's main circuit designers. She also designed a commercial cache controller for the VAX 6400, a vector processor, a 3-transistor dynamic RAM at MIT, and a router chip at UW. She spent January-July 2002 at IBM research labs in Austin working on a power estimation tool and some routing algorithms. Dr. Hassoun has been active on several boards and program committees. She served as an associate editor for the IEEE Transactions on Computer-Aided Design. She served on the ACM/SIGDA advisory board for several years. She was the program chair (2005) and the general chair for the International Conference on Computer-Aided Design, the premier technical conference in CAD. She served as the chair for the International Workshop on Logic Synthesis, 2001, and the general chair in 2002. She co-edited a book entitled, "Logic Synthesis and Verification". Dr. Hassoun is an NSF CAREER award recipient. In June 2000, she received the ACM/SIGDA Distinguished Service Award for creating the Ph.D. forum at DAC. Dr. Hassoun is a Tau Beta Pi Fellow. She is a member of ACM, a senior member of IEEE, and Eta Kappa Nu. Dr. Hassoun is a single parent to two wonderful children.



**Mary Jane Irwin** has been on the faculty at Penn State since 1977 where she currently holds the title of the A. Robert Noll Chair in Engineering in the Department of Computer Science and Engineering. Her research and teaching interests include computer architecture, embedded and mobile computing systems design, power aware design, and electronic design automation. Dr. Irwin received her Ph.D. degree in computer science from the University of Illinois in 1977. She received an Honorary Doctorate from Chalmers University, Sweden, in 1997 and the Penn State Engineering Society's Premier Research Award in 2001. She was named a Fellow of The Institute of Electrical and Electronic Engineers (IEEE) in

1995, a Fellow of The Association for Computing Machinery (ACM) in 1996, and was elected to the National Academy of Engineering (NAE) in 2003. Dr. Irwin is currently serving as a member of the Technical Advisory Board of the Army Research Lab, on ACM's Publications Board, and as the Editor-in-Chief of ACM's /Journal on Emerging Technologies in Computing Systems (JETC). In the past she has served as an elected member of The Computing Research Association's Board of Directors, IEEE Computer Society's Board of Governors, of ACM's Council, and as Vice President of ACM. She and her husband Vern celebrated their 35th wedding anniversary in 2001 and (finally!) became grandparents on March 19, 2002.



**Maritza Johnson** is a second year graduate student in computer science at Columbia University. Her research interests include the security, human-computer interaction and human factors. She received her bachelor's degree in computer science from the University of San Diego in 2005. She currently holds an AT&T fellowship and recently interned at AT&T labs. She is the vice president of the Columbia's ACM-W chapter and was a CRA-W DMP mentee the summer of 2004.



**Laurie Jones** is a PhD student in the Computation, Organizations & Society program in the School of Computer Science at Carnegie Mellon University. She received her BA in sociology from UC Berkeley, and prior to coming to CMU she was an MA student in Interdisciplinary Computer Science at Mills College. In 2007, she was a research scientist in the Computer Science department at North Carolina State University. Her research to date is primarily privacy-related, but her general interests are centered around the social aspects of information technology. Laurie is an NSF Graduate Fellow and a two-time participant in the CRA-W Distributed Mentor Project.



**Joy Kamunyori** is a third year graduate student in Computer Science at the University of Virginia, Charlottesville, VA. She received her Bachelor's degree from Vassar College, Poughkeepsie, NY, in 2005 with a double major in Computer Science and Economics. At UVA, she is currently working under the supervision of Dr. Jack Davidson. Her research is in software dynamic translation systems, specifically dealing with handling self-modifying code.



**Maria Klawe** became president of Harvey Mudd College in July, 2006. Prior to joining HMC, Maria served as Dean of Engineering and a professor of Computer Science at Princeton University and in several positions at the University of British Columbia including Dean of Science, Vice-President of Student and Academic Services, and Head of Computer Science. Maria has also worked at IBM Research in California, and at the University of Toronto and Oakland University. She received her Ph.D. and B.Sc. in Mathematics from the University of Alberta.

Maria has made significant research contributions in several areas of mathematics and computer science. Her current research interests are in assistive technology and discrete mathematics. Maria is a Past President of ACM, Chair of the Board of

the Anita Borg Institute for Women and Technology, a Trustee of the Mathematical Sciences Research Institute at Berkeley, and a member of the Board of Math for America. She is a Fellow of ACM and CIPS and the recipient of awards including the Nico Habermann Award and several honorary doctorates.



**Chandra Krintz** is an Assistant Professor at the University of California, Santa Barbara (UCSB). She joined the UCSB faculty in 2001 after receiving her M.S. and Ph.D. degrees in Computer Science from the University of California, San Diego (UCSD) under the advisement of Dr. Brad Calder. Chandra's research interests include automatic and adaptive compiler, virtual runtime, and operating system techniques that improve performance (for high-end systems) and increase battery life (for mobile, resource-constrained devices). In particular, her work focuses on exploiting repeating patterns in the time-varying behavior of underlying resources, applications, and workloads to guide dynamic optimization and specialization of program and system components.



**Tessa Lau** is a research staff member at IBM's Almaden Research Center in San Jose, CA. Her work centers on intelligent user interfaces, a cross-disciplinary field that sits at the intersection of artificial intelligence and human-computer interaction. Her research focuses on programming by demonstration, whose goal is to enable regular end users to automate routine tasks simply by demonstrating to the computer what it should do. Tessa is currently co-leading the CoScripter project, a platform for collaborative scripting of web-based tasks. Outside of work, Tessa enjoys growing vegetables, cooking, and knitting.



**Margaret Martonosi** is currently Professor of Electrical Engineering at Princeton University, where she has been on the faculty since 1994. She also holds an affiliated faculty appointment in Princeton CS. Martonosi's research interests are in computer architecture and mobile computing. In architecture, she has done extensive work on power modeling and management and on memory hierarchy performance and energy. In the field of mobile computing and sensor networks, Martonosi led the Princeton ZebraNet project, including two deployments of GPS tracking collars on Zebras in Central Kenya. She is now co-leader of the Sarana project, which builds software interfaces for collaborative computing among mobile devices.

Martonosi completed her Ph.D. at Stanford University, and also holds a Master's degree from Stanford and a bachelor's degree from Cornell University, all in Electrical Engineering. In her spare time, she enjoys activities that involve moving long distances in a mostly-straight line: hiking, biking, running, swimming, and automobile road trips.



**Meredith Ringel Morris** is a researcher in the Adaptive Systems & Interaction group at Microsoft Research. Her research interests include human-computer interaction and computer-supported cooperative work, currently focusing on collaborative search and on surface computing. Dr. Morris earned her Ph.D. and her M.S. in computer science from Stanford University, and her Sc.B. in computer science from Brown University.



**Joann J. Ordille** is a consulting research scientist in the Software Technology Research Department of Avaya Labs. Her research focuses on creating new technologies that give us choice and power in how we communicate about what is most important and urgent to us. Joann leads the Rome Research Project in right time communication for the enterprise. Through Rome, she created notification and response, exception conferencing, and publish-subscribe services that are used within Avaya. She led an effort that incorporated many of these services into a new Avaya product for communication enabling business processes.

Joann was an early innovator in making it easier to search, integrate and use information available on the Internet for which she received the "10 Year Best Paper Award" at the Very Large Data Bases (VLDB) Conference in 2006. She invented meta-directories for which she received the "Best Paper Award" at the International Conference on Distributed Computing Systems in 1993. She then leveraged that work in creating the first prototype for the Avaya meta-directory product.

Joann is a member of the Board of the Computing Research Associations Committee on the Status of Women in Computing Research (CRA-W). She has given talks on the future of Internet technologies around the world as a featured speaker in the Bell Labs Seminar Series. She joined Avaya Labs at its birth in 2000 in a spin-off from Bell Labs and previously joined Bell Labs in 1993 after completing her Ph.D. in Computer Science at the University of Wisconsin-Madison. She also holds an M.S. in Computer Science from the University of Wisconsin-Madison, an M.A. in the History and Philosophy of Science from the University of Pittsburgh, and a B.A. in Applied Mathematics and Philosophy from The George Washington University in Washington, DC. Joann enjoys bicycling, open wheel auto racing, downhill and cross-country skiing, ice skating, scuba diving, and restoring Victorian houses.



**Lori Pollock** is a Professor in the Department of Computer and Information Sciences at the University of Delaware. She earned her Ph.D. and M.S. in Computer Science at the University of Pittsburgh in 1986 and 1983, respectively, and her B.S. in Computer Science and Economics at Allegheny College in 1981. Her research focuses on program analysis for optimizing compilers, software testing, natural language analysis of software, software maintenance tools, and parallel and distributed systems. She served on the executive committee and as an officer of ACM SIGPLAN for several terms. She was awarded the University of Delaware's Excellence in Teaching Award in 2001. Lori Pollock has actively worked for improving the participation of

women in computer science for many years. She was awarded the University of Delaware's E. A. Trabant Award for Women's Equity in 2004. She is currently a Co-Chair of the Computing Research Association's Committee on the Status of Women in Computing (CRA-W).



**Jane Prey** received a BS from the University of Illinois Urbana and her PhD from the University of Virginia. She was a faculty member in the Computer Science Department at the University of Virginia for 11 years before joining Microsoft Research in January, 2004 where she leads the Tablet Technologies in Higher Education initiative and the Gender and Pipeline Initiative. She also spent 2 years at the National Science Foundation as a Program Director in the Division of Undergraduate Education. She is a member of the ACM Education Board, IEEE CS Educational Activities Board as well as a former member of the board for ACM SIGCSE. She is Program Chair for the 2008 Frontiers in Education.

Jane, with her husband Jerry of 35 years, have 3 children – Kevin (29, CS major turned IP lawyer), Dana (27, grad student) and Jenny (22, ee major turned management consultant). She loves to travel and read cookbooks and murder mysteries.



**Kristin Yvonne Rozier** is a Ph.D. student under Moshe Y. Vardi at Rice University and a Research Computer Scientist at NASA Langley Research Center. She has been a civil servant in the NASA LaRC Formal Methods Research group since November, 2003 and a NASA employee since May, 2001. Her primary research interests in theoretical computer science include model checking, theory of computation, finite automata, mathematical logic, automated reasoning, and algorithms. Kristin graduated Magna Cum Laude as a James Monroe Scholar from The College of William and Mary with a B.S. in 2000 and an M.S. in 2001. She remains active in the scientific volunteering community, especially programs which assist women and minorities, and is a core team member of MAGIC (More Active Girls In Computing). She is also a member of Phi Beta Kappa and the Association for Computing Machinery.



**Barbara G. Ryder** received an A.B. degree in Applied Mathematics from Brown University in 1969, a MS degree in Computer Science from Stanford University in 1971, and a Ph.D in Computer Science from Rutgers University in 1982. Dr. Ryder is a Professor of Computer Science at Rutgers University. Before becoming an academic, she worked from 1971-1976 at AT&T Bell Laboratories in Murray Hill, NJ. Dr. Ryder's research interests focus on static and dynamic program analyses for object-oriented systems, to use in practical software tools.

Dr. Ryder was selected as a *Fellow of the ACM* in 1998 and received the *ACM SIGPLAN Distinguished Service Award* in 2001. She was selected as a *CRA-W Distinguished Professor* in 2004. She received the *Rutgers Graduate School Teaching Award* in 2007, a *Rutgers University Leader in Diversity Award* in 2006, and the *Professor of the Year for Excellence in Teaching* from the Rutgers Computer Science Graduate Student Society in 2003. She was Chair of the Federated Conference on Research in Computing (FCRC) in 2003 and served as a Member of the Board of Directors of the Computer Research Association (1998-2001). Dr. Ryder is an ACM Council Member at Large (2000-2008) and has served in positions of leadership on the ACM SIGPLAN Executive Committee (1989-1999).

Dr. Ryder is an editorial board member of *IEEE Transactions on Software Engineering and Software, Practice and Experience*. She has served on many program and conference committees for conferences sponsored by ACM SIGPLAN and ACM SIGSOFT. She has been an active panelist in the *CRA Workshops on Academic Careers for Women*.



**Esin Saka** received the BS and MS degrees (with a double major in mathematics) in computer engineering from the Middle East Technical University (METU), in Turkey. She is currently working toward her PhD degree under advising of Dr. Olfa Nasraoui in the Knowledge Discovery & Web Mining Lab in the Department of Computer Engineering and Computer Science at University of Louisville. She was with the Scientific and Technical Research Council of Turkey (TÜBİTAK) as a researcher, a Technical Committee Member of TÜBİTAK National Informatics Olympiad, selected for the Turkey Team Deputy Leader at X. Balkan Olympiad in Informatics, in 2002 and, in the summer 2007, was an intern at Yahoo! Search Marketing. Her research interests include Web mining and personalization, distributed collaborative intelligence, such as

swarm-based intelligence and multi-agent systems, and genetic programming. She has also participated in outreach activities at the Knowledge Discovery & Web Mining Lab in University of Louisville to encourage high school girls to learn about and pursue careers in computer science and engineering. She also enjoys snowboarding, ballroom and social dancing, SCUBA diving, surfing, and traveling.



**Erika Rice Scherpelz** is a software engineer at Google. While at Google, Erika has worked on a variety of internal tools and helped with many outreach and community building efforts. Before coming to Google, she earned her Master's degree at the University of Washington studying compiler optimizations. Before that, she received her Bachelor's degree from Harvey Mudd College.



**Mary Lou Sofa** is the Chair of the Department of Computer Science and the Owens R. Cheatham Professor of Sciences at the University of Virginia. Prior to her current appointment, she was a Professor at the University of Pittsburgh and also served as the Graduate Dean in Arts and Sciences. Her general research interests are in programming languages/compilers and software engineering. Her current focus is on optimizing compilers, program analysis, virtual execution environments, testing and debugging.

In 1999, Mary Lou was selected as an ACM Fellow and received the Presidential Award for Excellence in Science, Mathematics and Engineering Mentoring. . She received the SIGPLAN Service Award in 2003 and the Nico Habermann Award from the Computer Research Association (CRA) in 2006. She has worked to increase the participation of women and underrepresented minorities for many years. She serves on the CRA-W Committee and was the co-chair from 1999-2002. She co-founded the CRA-W Graduate Cohort Program and the CRA-W Cohort for Associate Professors. She has been a member of a number of Editorial Boards, and confer-ence chair, program chair, and on the program committee for numerous conferences. She recently was the Program Co-Chair for ICSE-06 and is currently the Conference Chair for CGO-08 and ASPLOS-09.



**Dawn Song** is an Assistant Professor at Carnegie Mellon University. She obtained her PhD in Computer Science from UC Berkeley. Her research interest lies in security and privacy issues in computer systems and networks. She is the author of more than 50 research papers in areas ranging from software security, networking security, database security, distributed systems security, to applied cryptography. She is the recipient of various awards and grants including the NSF CAREER Award, the IBM Faculty Award, the George Tallman Ladd Research Award, the Sloan Research Fellowship Award, and the Best Paper Award from USENIX Security Symposium.



**Kristen Walcott** is a third year graduate student in computer science at the University of Virginia. She received her bachelors degree at Allegheny College in 2005 with a double major in math and computer science. Her main research interest is in developing a testing framework for multi-threaded programs, but she has also done work in constraint-aware software testing, architectural vulnerability, and graphics. Kristen is a NSF Graduate Research Fellow and a Google Anita Borg Scholar.



**Julie S. Weber** is in the fourth year of a doctoral program in Computer Science at the University of Michigan, with a focus in the area of Artificial Intelligence and Human Computer Interaction. She received her masters degree in computer science at Tufts University in 2004 and her bachelors degree in computer science and mathematics at Wellesley College in 2003. Between Wellesley and Tufts, Julie spent a summer working as a software engineer at MIT Lincoln Laboratory. She interned as a software engineer at Google New York in the summer of 2006, and she spent the summer of 2007 at SRI International in the San Francisco bay area. Her research interests lie in assistive technology for the elderly and cognitively impaired, and her dissertation is focused around

intelligent interaction.



**Elaine Weyuker** is an AT&T Fellow doing software engineering research at AT&T Labs. Prior to moving to AT&T she was a professor of computer science at NYU's Courant Institute of Mathematical Sciences. Her research interests currently focus on software fault prediction, software testing, and software metrics and measurement. In an earlier life, Elaine did research in Theory of Computation and is the co-author of a book "Computability, Complexity, and Languages" with Martin Davis and Ron Sigal. Elaine is the recipient of the 2007 ACM/SIGSOFT Outstanding Research Award. She is also a member of the US National Academy of Engineering, an IEEE Fellow, and an ACM Fellow and has received IEEE's Harlan Mills Award for outstanding software engineering research, Rutgers

University 50th Anniversary Outstanding Alumni Award, and the AT&T Chairman's Diversity Award as well as having been named a Woman of Achievement by the YWCA. She is the chair of ACM's Committee on Women in Computing (ACM-W) and a member of the Executive Committee of the Coalition to Diversify Computing.



**Pamela J. Williams** is a Senior Member of Technical Staff in the Computational Sciences and Mathematics Research Department at Sandia National Laboratories. A Kentucky native, Pamela earned a B.S. in Mathematics from the University of Kentucky. In 1998, she received her Ph.D. in Computational and Applied Mathematics from Rice University. During her seven year career at Sandia/CA, Pamela has conducted research and development in optimization and data mining. She was PI on a project that addressed the development of computationally tractable pattern recognition methods. Currently, she is investigating the role of machine learning methods in reducing the number of false alarms triggered by wireless

sensor networks for security and surveillance. Dr. Williams is a member of the Association for Computing Machinery, National Association of Mathematicians, and Phi Beta Kappa.



**Tiffani L. Williams** is an Assistant Professor in the Department of Computer Science at Texas A&M University. She earned her B.S. in computer science from Marquette University and Ph.D. in computer science from the University of Central Florida. Afterward, she was a postdoctoral fellow at the University of New Mexico. Her honors include a Radcliffe Institute Fellowship, an Alfred P. Sloan Foundation Postdoctoral Fellowship, and a McKnight Doctoral Fellowship. Her research interests are in the areas of bioinformatics and high-performance computing.



**Min Zhong** is a software engineer at Google. She graduated from University of Wisconsin-Madison with a Master's in CS. Before joining Google, she worked at Microsoft for 4.5 years. There she worked on Exchange mail server's data storage engine, and [Window's Workflow Foundation](#). She joined Google in February 2006 and worked on SMS alerts for AdWords customers, music sharing in gtalk (20%), and is currently working on a tool to optimize campaigns in the content ads network. In her spare time, she enjoys art, the outdoors, and volunteer activities.