



2016

# GradCohort

**SAN DIEGO** APRIL 15-16, 2016  
Hilton San Diego Bayfront



**CRA-W**

Computing Research Association  
Women

**Dear Grad Cohort Participant,**

**We welcome you to the 2016 CRA-Women Graduate Cohort Workshop!** The next two days are filled with sessions where 31 senior computing researchers and professionals will be sharing their strategies and experiences to help increase your graduate school and career success. There are also plenty of opportunities to meet and network with these successful senior women as well as graduate students from other universities. We hope that you will take the utmost advantage of this unique experience by actively participating in discussions, developing peer networks, and building mentoring relationships.

The 2016 CRA-Women Graduate Cohort Workshop is made possible through generous contributions by Microsoft Research, Association for Computing Machinery, Computing Research Association, The U.S. Department of Energy - Office of Science, National Science Foundation, Google, IBM, Intel, a private foundation, Two Sigma, Yahoo, AAI, Amazon, ACM SIGACT, ACM SIGARCH, ACM SIGCHI, ACM SIGCOMM, ACM SIGGRAPH, ACM SIGIR, ACM SIGMICRO, ACM SIGOPS, ACM SIGPLAN, ACM SIGSOFT, D. E. Shaw Research, a private contributor, and in some cases department funds from participating universities/institutions. Please join us in thanking them for their kind support.

We hope that you take home many insights and connections from this workshop to help you in your journey to make an impact in the world through computing. Be ready to be inspired, learn, and meet many interesting technical women.

**Sincerely,**

**Lori Clarke, Sandhya Dwarkadas, and Ayanna Howard**

CO-CHAIRS, CRA-WOMEN GRADUATE COHORT WORKSHOP

# 2016 GradCohort

**SAN DIEGO** APRIL 15-16, 2016  
Hilton San Diego Bayfront

**Wireless Code:**  
**SSID: CRA-WGradCohort**  
**Password: GradCohort2016**





# Program



**CRA-W**

Computing Research Association  
Women

## Thursday, April 14, 2016

6:00 PM - 9:00 PM **Early Registration** - *Sapphire North West Foyer*

## Friday, April 15, 2016

7:00 AM - 8:45 PM **Registration** - *Sapphire North West Foyer*

7:30 AM - 8:30 AM **Breakfast** - *Bayfront Park*

8:30 AM - 8:45 AM **Welcome** - *Sapphire Ballroom CDGH*

Speaker(s): Lori Clarke (University of Massachusetts, Amherst),  
Sandhya Dwarkadas (University of Rochester), and Ayanna Howard (Georgia Tech)

8:45 AM - 9:15 AM **Grad Cohort Alum Panel** - *Sapphire Ballroom CDGH*

Speaker(s): Bushra Anjum (Amazon) / Lydia Tapia (University of New Mexico) / Saeideh Bakhshi (Yahoo)

9:15 AM - 9:20 AM **Transition**

	First year <i>Sapphire Ballroom CDGH</i>	Second year <i>Sapphire Ballroom OP</i>	Third year <i>Sapphire Ballroom KL</i>
9:20 AM - 10:20 AM	<b>Networking</b>	<b>Presentation and Other Verbal Communication Skills</b>	<b>Preparing Your Thesis Proposal and Becoming a PhD Candidate</b>
Speaker(s):	A.J. Brush (Microsoft Research) and America Chambers (University of Puget Sound)	Kathryn McKinley (Microsoft Research) and Lucy Nowell (Department of Energy)	Magy Seif El-Nasr (Northeastern University) and Ming Lin (University of North Carolina)

10:20 AM - 10:45 AM **Break**

	Master's vs. Ph.D.	Finding a Research Topic (including Interdisciplinary)	Publishing Your Research
10:45 AM - 11:45 AM	<b>Master's vs. Ph.D.</b>	<b>Finding a Research Topic (including Interdisciplinary)</b>	<b>Publishing Your Research</b>
Speaker(s):	Rita Wouhaybi (Intel) and Kim Hazelwood (Facebook)	Yuanyuan Zhou (University of California, San Diego) and Nancy Amato (Texas A&M University)	Andrea Danyluk (Williams College) and Dilma Da Silva (Texas A&M University)

11:45 AM - 1:15 PM **ACM Sponsored Lunch** - Tables by Primary Research Area - Bayfront Park

1:15 PM - 2:15 PM	<b>Finding and Developing an Effective Working Relationship with Your Advisor</b>	<b>Balancing Graduate School and Personal Life</b>	<b>Ph.D. Non-Academic Career Paths and Job Search</b>
Speaker(s):	Rebecca Wright (Rutgers University)	Gail Murphy (University of British Columbia) and Soha Hassoun (Tufts University)	Laura Haas (IBM), Rita Wouhaybi (Intel), and Deb Agarwal (Lawrence Berkeley National Laboratory)
2:15 PM - 2:45 PM	<b>Break</b>		
2:45 PM - 3:45 PM	<b>Keynote - Growing the Future of Computing: It Takes a Community</b>		
Speaker(s):	Dr. Jim Kurose - National Science Foundation		
3:45 PM - 4:00 PM	<b>Break</b>		
4:00 PM - 5:30 PM	<b>Session A (4:00 - 4:45 odd numbered posters present) - Sapphire Terrace and Sapphire BFJN</b> <b>Session B (4:45 - 5:30 even numbered posters present) - Sapphire Terrace and Sapphire BFJN</b>		
6:30 PM - 10:30 PM	<b>Reception hosted by Microsoft Research - Sapphire Ballroom CDGH</b>		

**Saturday, April 16, 2016**

7:30 AM - 3:30 PM	<b>Registration - Sapphire North West Foyer</b>		
7:30 AM - 8:30 AM	<b>Breakfast - Bayfront Park</b>		
8:30 AM - 9:30 AM	<b>First year</b> <i>Sapphire Ballroom CDGH</i>	<b>Second year</b> <i>Sapphire Ballroom OP</i>	<b>Third year</b> <i>Sapphire Ballroom KL</i>
Speaker(s):	<b>Financially Supporting your Graduate Education</b> Dilma Da Silva (Texas A&M University)	<b>M.S. Career Opportunities and Job Search</b> Laura Pfeifer Vardoulakis (Google) and Patty Lopez (Intel)	<b>Ph.D. Academic Career Paths and Job Search</b> Susan Rodger (Duke University) and Julia Hirschberg (Columbia University)
9:30 AM - 9:45 AM	<b>Break</b>		
9:45 AM - 10:45 AM	<b>Summer Internships</b> Patty Lopez (Intel), Deb Agarwal (Lawrence Berkeley National Laboratory), and Saeideh Bakhshi (Yahoo)	<b>Building Self-Confidence</b> Melanie Wu (Pomona College) and Lydia Tapia (University of New Mexico)	<b>Building Your Professional Persona</b> A.J. Brush (Microsoft Research) and Ming Lin (University of North Carolina)

10:45 AM - 11:15 AM	<b>Break</b>	
11:15 AM - 12:15 PM	<b>Strategies for Human-Human Interaction - Sapphire Ballroom CDGH</b>	
Speaker(s):	Moderator: Jamika Burge (Smarter Balanced at UCLA) Panelists: Amanda Stent (Yahoo), Gail Murphy (University of British Columbia)	
12:15 PM - 12:30 PM	<b>Wrap-Up &amp; Final Remarks - Sapphire Ballroom CDGH</b>	
Speaker(s):	Lori Clarke (University of Massachusetts, Amherst), Sandhya Dwarkadas (University of Rochester), and Ayanna Howard (Georgia Tech)	
12:30 PM - 1:15 PM	<b>Lunch - Tables by Student Proposed Discussion Topics - Bayfront Park</b>	
1:15 PM - 3:30 PM	<b>Resume/CV Advising - Sapphire Ballroom OP</b>	<b>Individual Career Advising - Sapphire Ballroom KL</b>

# Venue

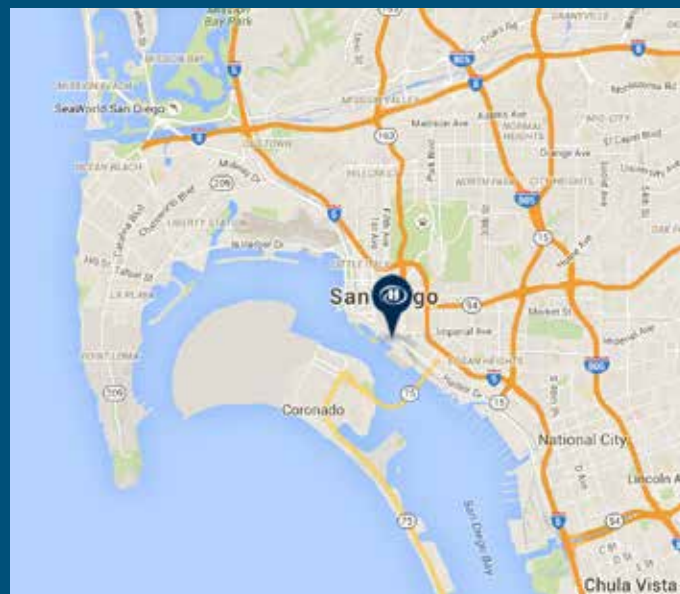
## Hilton San Diego Bayfront Hotel

1 Park Boulevard, San Diego, CA 92101

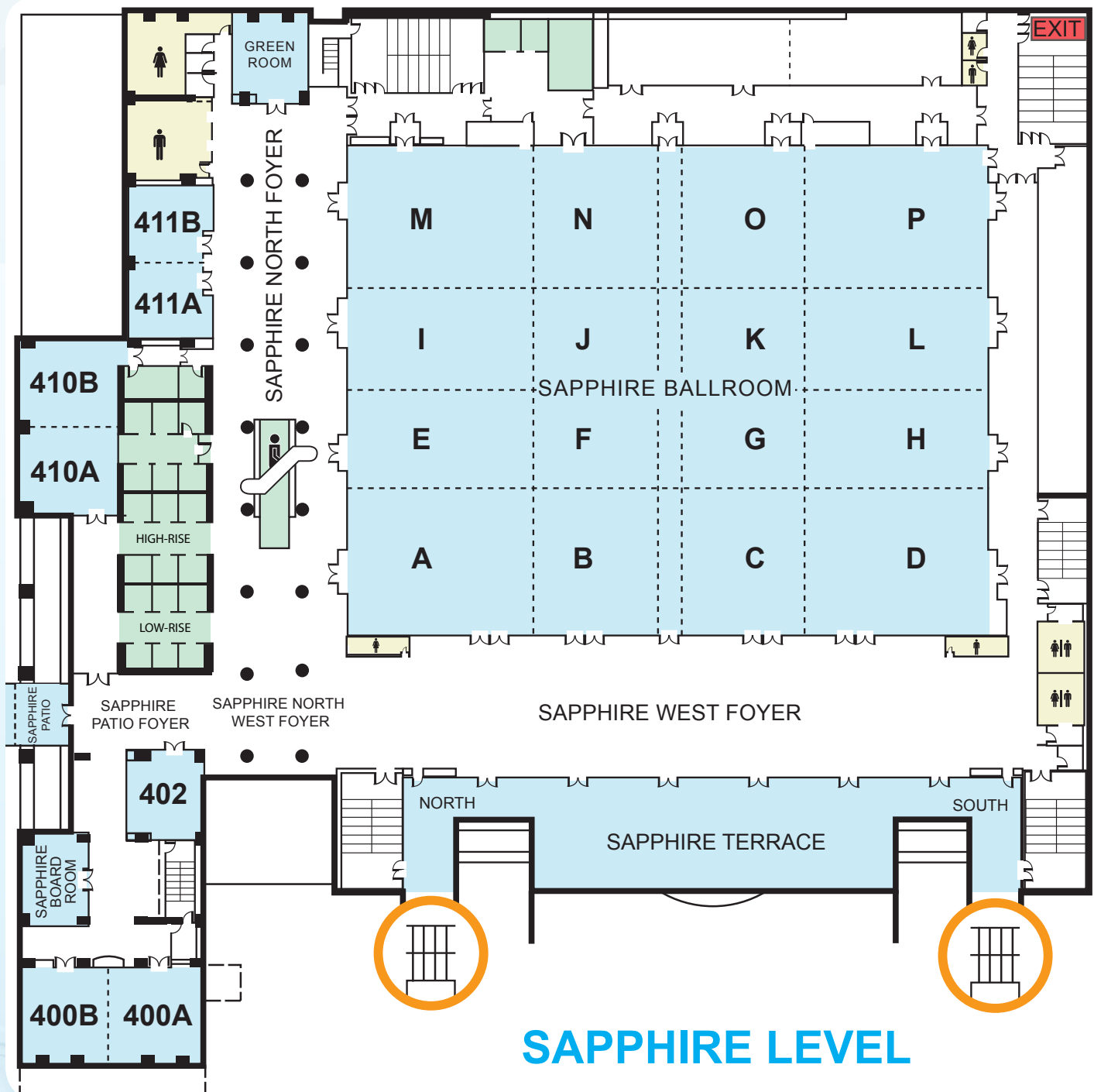
Phone: 619.564.3333

Fax: 619.564.3344

Email: [SANCC-Front\\_Office\\_Managers@hilton.com](mailto:SANCC-Front_Office_Managers@hilton.com)



# Floor Plan



## SAPPHIRE LEVEL

\* Note: Breakfast and Lunch will be hosted in the Bayfront Park (not pictured), which you may access by taking the escalators down to the Lower Level, and walking out and along the marina towards the bayfront.

- = Function Space
- = Elevators & Escalators
- = Restrooms
- = Stairs



# Sessions

## ► Grad Cohort Alum Panel

**Bushra Anjum, Lydia Tapia, and Saeideh Bakhshi**

Friday April 15, 2016 8:45 am – 9:15 am

*Sapphire Ballroom CDGH*

This session provides participants the opportunity to hear from Grad Cohort Alums about their experiences, lessons learned, and how the program has influenced them throughout their careers. The panelists will advise participants on how to get the most out of the workshop.

## ► Networking

**A.J. Brush, America Chambers**

Friday April 15, 2016 9:20 am – 10:20 am

*Sapphire Ballroom CDGH*

This session addresses the skills that are needed for networking - a very important component of your professional life. The topics include strategies for finding a community, meeting people in the field, and promoting your research and yourself. This session will also address what you should prepare for, learn, and what to do when you attend conferences, workshops, or any technical meeting, including meeting researchers visiting your department.

## ► Presentation and Other Verbal Communication Skills

**Kathryn McKinley, Lucy Nowell**

Friday April 15, 2016 9:20 am – 10:20 am

*Sapphire Ballroom OP*

This session will focus on building your oral communication skills. Topics include strategies for high quality oral and poster presentations.

## ► Preparing Your Thesis Proposal and Becoming a Ph.D. Candidate

**Magy Seif El-Nasr, Ming Lin**

Friday April 15, 2016 9:20 am – 10:20 am

*Sapphire Ballroom KL*

Before being a Ph.D. candidate, students usually have to pass several hurdles, with the last one being the thesis proposal, where you show that you understand the literature and layout your plans for completing a thesis. This session will discuss the goals of the

proposal, an outline of what should be in the proposal, how to strategically choose your committee, and how to prepare for your proposal defense. This session also covers how to take a lead role in your research group and publications, strategies for managing your dissertation writing process, and promoting yourself.

## ► Master's vs. Ph.D.: Which one to choose? How far to go?

**Rita Wouhaybi, Kim Hazelwood**

Friday April 15, 2016 10:45 am – 11:45 am

*Sapphire Ballroom CDGH*

This session will address the main differences in career options and in graduate studies between a Master's degree and Ph.D. degree. Topics include realistic goals and expectations for each degree and various strategies for deciding which degree to pursue.

## ► Finding a Research Topic

**Yuanyuan (YY) Zhou, Nancy Amato**

Friday April 15, 2016 10:45 am – 11:45 am

*Sapphire Ballroom OP*

This session will focus on strategies for actively identifying a viable research topic for your Ph.D. dissertation. It will discuss how to choose between several topics and what you should look for in a topic. It will address how your career plans (e.g., teaching, academic research, or industrial research) may influence your choice. It will also describe the various aspects of a research topic (e.g., theoretical foundation, experimental framework, analytic and experimental results), and it will discuss how to set reasonable goals and milestones so that you can successfully finish in a reasonable time frame.

## ► Publishing Your Research

**Andrea Danyluk, Dilma Da Silva**

Friday April 15, 2016 10:45 am – 11:45 am

*Sapphire Ballroom KL*

Publishing your research is a necessary activity for your future career. This session will discuss avenues for publication and what is required for the different types of publications. Also discussed will be the ethical concerns of publishing such as plagiarism, dual submissions, and author ordering.

► **Finding and Developing an Effective Working Relationship with Your Advisor**

**Rebecca Wright**

Friday April 15, 2016 1:15 pm -2:15 pm

*Sapphire Ballroom CDGH*

Obtaining a Ph.D. is like undertaking an apprenticeship. Thus, it is very important to have a good advisor and a good relationship with that advisor. This session will focus on the importance of carefully choosing an advisor, how to get the most out of your interactions with your advisor, and the responsibilities of both student and advisor in making the graduate research experience successful. It will discuss how to work through problems with your advisor, when to consider changing advisors or institutions, and strategies for undertaking such a change. It will also discuss the benefits of having mentors, in addition to your advisor.

► **Balancing Graduate School and Personal Life**

**Gail Murphy, Soha Hassoun**

Friday April 15, 2016 1:15pm - 2:15pm

*Sapphire Ballroom OP*

This session will address strategies for maintaining balance and a positive perspective in your life during graduate school and throughout your career. Topics will include achieving personal satisfaction in your career and family life, balancing your TA duties, your course work, and your research program, decision-making strategies when career and family priorities seem to collide, and re-evaluating your personal and career goals and initiating changes.

► **Ph.D. Non-Academic Career Paths: Industrial Research & Development**

**Laura Haas, Rita Wouhaybi, Deb Agarwal**

Friday April 15, 2016 1:15 pm - 2:15pm

*Sapphire Ballroom KL*

This session will focus on the different career paths for new Ph.D.'s in industry and government laboratories. Topics will include the challenges and rewards of a non-academic career, skills and experiences needed for success, opportunities for advancement and taking the initiative, collaborating with researchers in academia or other organizations, and positioning yourself to make career changes between labs and/or academia.

► **Keynote - Growing the Future of Computing: It Takes a Community**

**Jim Kurose**

Friday April 15, 2016 2:45 pm - 3:45pm

*Sapphire Ballroom CDGH*

Advances in computer and information science and engineering are providing unprecedented opportunities for research and education. I'll discuss the impact of our discipline, future opportunities and research challenges, as well as what it means to be an active member of the community and why that's important for growing your career.

► **Financially Supporting Your Graduate Education**

**Dilma Da Silva**

Saturday April 16, 2016 8:30 am - 9:30 am

*Sapphire Ballroom CDGH*

This session will focus on how to identify financial support for your academic studies beyond the initial teaching/research assistantship position, including positioning yourself for research assistantships, tracking down fellowship opportunities, and how to put together a successful application. This session will also address how to survive temporary funding shortfalls/lapses.

► **M.S. Career Opportunities and Job Search**

**Laura Pfeifer Vardoulakis, Patty Lopez**

Saturday April 16, 2016 8:30 am - 9:30 am

*Sapphire Ballroom OP*

This session will be a discussion of the various career opportunities for Master's graduates and how to find a position that is best for you. Discussion will include possible career paths and the role of mentors in industry. This session will also discuss the process of finding an industry position for M.S. graduates, how to prepare for the interview, what questions to ask and what you should expect during the interview, and what to do after the interview. Tips will be given on writing a cover letter and resume that attracts attention.

### ► **Ph.D. Academic Career Paths and Job Search**

**Susan Rodger, Julia Hirschberg**

Saturday April 16, 2016 8:30 am - 9:30 am

*Sapphire Ballroom KL*

This session will focus on the different career paths in academia. Topics include the roles of research, teaching, and service, and how they differ in different academic institutions as well as depending on one's position (e.g., tenure track faculty, lecturer, administrator). This session will also discuss the challenges and rewards of research, teaching, and service, and the skills for success in each. It will also discuss changing career paths.

### ► **Summer Internships**

**Patty Lopez, Deb Agarwal, Saeideh Bakhshi**

Saturday April 16, 2016 9:45 am - 10:45 am

*Sapphire Ballroom CDGH*

This session will focus on how to go about finding an industry or government lab internship for the summer, the advantages and disadvantages of doing so, and how to get the most out of a summer internship.

### ► **Building Self-Confidence**

**Melanie Wu, Lydia Tapia**

Saturday April 16, 2016 9:45 am - 10:45 am

*Sapphire Ballroom OP*

This session will address the confidence crisis that 2nd (and 3rd) year graduate students often face: how to recover from not doing as well in a course as you expected, from not passing the Ph.D. candidacy exams on your first try, from the frustration of not knowing what your specific research project will be, from the feeling that you don't know as much as your fellow graduate students. The discussion will focus on issues and rewards of continuing towards your goals and milestones in grad school where persistence is needed.

### ► **Building Your Professional Persona**

**A.J. Brush, Ming Lin**

Saturday April 16, 2016 9:45 am - 10:45 am

*Sapphire Ballroom KL*

This session will address the dos and don'ts of building a professional image. Topics will include web presence (personal pages and social media), dissemination of technical contributions, and professional ethics.

### ► **Strategies for Human-Human Interaction**

**Jamika Burge, Amanda Stent, Gail Murphy**

Saturday April 16, 2016 11:15 am - 12:15 pm

*Sapphire Ballroom CDGH*

This session will focus on strategies for productive interaction with colleagues (both faculty and students), including the opportunities and challenges of being a woman in a computing technology career. Topics include inter-personal interaction dynamics, uncomfortable situations that might arise and how to react, the pros and cons of dating your fellow graduate students or department faculty, recognizing and dealing with sexual harassment and implicit bias, and family-friendly policies to look for in a working environment.

# Speakers

## ▶ **Deb Agarwal** Lawrence Berkeley National Lab/Inria



Dr. Deborah Agarwal is a Senior Scientist and the Data Science and Technology Department (<http://dst.lbl.gov>), Head at Lawrence Berkeley National Laboratory (LBNL). Dr. Agarwal's current research focuses on developing computational tools to enable scientists to more effectively organize and use their data to understand and mitigate climate change. She has worked on

projects involving watershed understanding, tropical forests, soil carbon, carbon capture, cosmology, particle accelerators, and satellite data. Dr. Agarwal earned her BS in Mechanical Engineering from Purdue University. Her MS and PhD are from University of California, Santa Barbara in Computer Engineering. Dr. Agarwal's career has taken her around the world including spending time consulting at the United Nations in Vienna, travel to India, travel to Japan and Taiwan, and a year working in Rennes, France on sabbatical at Inria. Dr. Agarwal is committed to increasing diversity of computing and is involved in organizing mentoring programs to help underrepresented groups succeed. Her hobbies include night photography, sailboat racing, kayaking, swimming, crossword puzzles, and gardening.

## ▶ **Nancy Amato** Texas A&M University



Nancy M. Amato is Unocal Professor in the Department of Computer Science and Engineering at Texas A&M where she co-directs the Parasol Lab. She received undergraduate degrees in Mathematical Sciences and Economics from Stanford University, and M.S. and Ph.D. degrees in Computer Science from UC Berkeley and the

University of Illinois at Urbana-Champaign. Her main areas of research focus are motion planning and robotics, computational biology and geometry, and parallel and distributed computing. She is Program Chair for IEEE ICRA 2015 and RSS 2016, was Editor-in-Chief of the IEEE/RSJ IROS CPRB (2011-2013), and served on the editorial boards of the IEEE TPDS and IEEE TRO. She is an elected member of the CRA Board of Directors (2014-2017), and of the IEEE Robotics and Automation Society AdCom (2009-2014). She is co-Chair of the CRA's

Committee on the Status of Women in Computing Research (CRA-W) and was co-Chair of the NCWIT Academic Alliance (2009-2011). She was an AT&T Bell Laboratories PhD Scholar, received an NSF CAREER Award, is an ACM Distinguished Speaker, and was a Distinguished Lecturer for the IEEE Robotics and Automation Society. She received the 2014 CRA A. Nico Haberman Award, the inaugural 2014 NCWIT Harrold and Notkin Research and Graduate Mentoring Award, the 2013 IEEE Hewlett-Packard/Harriet B. Rigas Award, and a University-level teaching award. She is a AAAS Fellow, an ACM Fellow, and an IEEE Fellow.

## ▶ **Bushra Anjum** Amazon, Inc.



Dr. Bushra Anjum is a 2012 CRA-W Graduate Cohort Alumnus, and is currently serving as a software and research engineer at Amazon, Inc in San Luis Obispo. Specifically, she has expertise in Agile Software Development for large scale distributed systems with special emphasis on system design and development for highly-scaleable, fault-tolerant systems.

Originally a Fulbright scholar from Pakistan, Dr. Anjum has international teaching and mentoring experience and has served in academia for five years before joining industry. She has worked at the Missouri University of Science & Technology as an Assistant Teaching Professor and took the lead on underrepresented and female students' recruitment and retention activities. There she also secured funding from CRA-W/CDC to host a Distinguished Lecture Series, a recruitment event for groups underrepresented in computing. Before that she served as an Assistant Professor at the Computer Science department of National University of Computer & Emerging Sciences, Lahore, Pakistan. She has been deeply committed to both celebrate and support the diversity that exists in Computer Science and to especially encourage young women to stay in the IT pipeline. She received the B.Sc. degree in Computer Science in 2005, Summa Cum Laude, from National University of Computer and Emerging Sciences, Pakistan. She received her M.Sc. degree in Computer Science in 2007, maintaining rank 1 in a batch of 250 students and earning the gold medal, from Lahore University of Management Sciences, Pakistan. She completed the Ph.D. degree in Computer Science from North Carolina State University (NCSU), USA in 2012, advised by Alumni Distinguished Graduate Professor and IEEE Fellow Dr. Harry Perros. Alongside, she also completed a one year Certificate of Accomplishment in Teaching

curriculum at NCSU. Dr. Anjum represents Pakistan at the GlobalTechWomen organization and is an advocate of diversity and female participation in STEM fields. She currently volunteers and is a mentor at ACM MentorNet, ABI Educational Advisory Board, Empowering Leadership Alliance, LeanIn.org, Computing beyond the Double Blind's Mentoring Network and The Citizens Foundation. She has authored scholarly papers in the areas of Performance Evaluation and Quality of Service (QoS) Prediction/Provisioning for Networks, Data Science and Big Data Analytics.

**Saeideh Bakhshi**  
Yahoo!



Saeideh is a Research Scientist working with HCI Research Group at Yahoo Labs. Her research is at the intersection of social computing and big data analysis to understand user behavior and online engagement. She received her PhD From Georgia Tech college of Computing where she worked on understanding social dynamics

around images. Her work on social media photo-sharing websites such as Pinterest, Instagram and Flickr has been published in top tier conferences and journals and have received extensive media attention. She is a CRA-W alumni and she is excited about sharing her experience with the community and learn more.

**A.J. Brush**  
Microsoft Research



A.J. Bernheim Brush's research area is Human-Computer Interaction with a focus on Ubiquitous Computing and Computer Supported Collaboration (CSCW). Currently embedded in a Microsoft product group since January 2016, she spent the previous 11 years in Microsoft Research. A.J. is most well known for her research on technologies for families

and her expertise conducting field studies of technology. She co-led MSR's Lab of Things project, a flexible open-sourced platform for experimental research that uses connected devices in homes and beyond. She has built and deployed numerous sensing systems into homes. She is a Senior Member of the ACM and was honored to receive a Borg Early Career Award in 2010. Her research has received 2 best paper awards and several best paper nominations. A.J. was co-general chair of UbiComp 2014, serves on the UbiComp Steering Committee and is co-chair of CRA-W. A.J. also serves regularly on Program Committees for many conferences including UbiComp, Pervasive, CHI, and CSCW.

**Jamika Burge**  
Smarter Balanced at UCLA



Dr. Jamika Burge serves as the director of assessment technology product and research for the Smarter Balanced Assessment Consortium. She oversees the Smarter App suite of open source software as well as leads efforts to identify, prioritize, and manage system requirements using a user research approach. She is also responsible

for developing a strategic vision to sustain and enhance the Smarter Balanced assessment system to better improve teaching and learning among member states. Her research interests lie in human-computer interaction (HCI), specifically in the design of technologies that support a range of communication and interaction needs. She is active in computer science education and STEM preparedness efforts, providing expertise for a host of funded programs funded by the National Science Foundation (NSF) and the Computing Research Association (CRA), including those seeking to broaden participation in computer science. Jamika holds a Ph.D. in computer science, with a focus on human-computer interaction (HCI) from Virginia Polytechnic Institute and State University, where she was an IBM Research Fellow.

**America Chambers**  
University of Puget Sound



America Chambers earned her BA in Mathematics and Computer Science from Swarthmore College. After finishing her bachelors, she spent one crazy year teaching mathematics at a K-12 school followed by one blissful year at a post-baccalaureate research program in the Computer Science department at Pomona College. In 2010, America earned

her Masters in Computer Science from the University of California, Irvine and her PhD from the same institution in 2013. Her research interests include statistical modeling and natural language processing; currently, she is working on semantic representations for scientific articles. After two years as a Visiting Assistant Professor at Pomona College, America joined the joint Math/CS department at the University of Puget Sound in 2015.

**Lori Clarke**  
University of  
Massachusetts, Amherst



CRA-W GRAD COHORT  
CO-CHAIR

Lori A. Clarke is an emerita professor in the College of Information and Computer Sciences, University of Massachusetts Amherst, after serving on the computer science faculty for forty years and as chair from 2011-2015. She is a Fellow of the ACM and IEEE, and a board member of the Computing Research Association's Committee on the

Status of Women in Computing Research (CRA-W). She is a former vice chair of the Computing Research Association (CRA), co-chair of CRA-W, IEEE Publication Board member, associate editor of ACM TOPLAS and IEEE TSE, member of the CCR NSF advisory board, and ACM SIGSOFT chair. Awards include the 2012 SIGSOFT Outstanding Research Award, 2011 University of Massachusetts Outstanding Accomplishments in Research and Creative Activity Award, the 2009 College of Natural Sciences and Mathematics Outstanding Faculty Service Award, the 2004 University of Colorado, Boulder Distinguished Engineering Alumni Award, and the 2002 SIGSOFT Distinguished Service Award. Dr. Clarke's research is in the area of software engineering. She is one of the initial developers of symbolic execution and developed one of the first model checking systems applicable to software systems. She has also worked in requirements engineering and object management. Recently she has been investigating applying software engineering technologies to detect errors and vulnerabilities in complex, human-intensive processes in domains such as healthcare and digital government. She is also involved in efforts to increase participation of underrepresented groups in computing research.

**Andrea Danyluk**  
Williams College



Andrea Danyluk is the Dennis A. Meenan '54 Third Century Professor of Computer Science at Williams College. She received her A.B. from Vassar College in 1984 and her Ph.D. from Columbia University in 1992, and was a researcher at NYNEX (now Verizon) before joining the faculty at Williams in 1994.

Danyluk's research interests are focused on applications of machine learning. She has published book contributions, journal and conference articles in this area, and has co-edited a special issue of the Journal of Machine Learning Research. She has served on numerous conference program committees, including the National Conference on Artificial

Intelligence (AAAI) and the International Conference on Machine Learning (ICML) and has served as Tutorials co-Chair for AAAI (twice), Associate Chair for AAAI, Program co-Chair of ICML 2001, and General Chair of ICML 2009. Danyluk is active in CS education. She is a co-author of Java: An Eventful Approach, with Kim Bruce and Tom Murtagh, and was a member of the ACM / IEEE Task Force on CS Curricula 2013. She joined the Computing Research Association's Committee on the Status of Women in Computing Research (CRA-W) in 2008 and is co-directs the CREU program.

**Dilma Da Silva**  
Texas A&M University



Dilma Da Silva joined the Department of Computer Science and Engineering at Texas A&M University as its new department head on August 2014. Her primary research interests are cloud computing, operating systems, distributed computing, and high-end computing. Before joining Texas A&M, she worked at Qualcomm Research in California

(2012-2014), IBM Thomas J. Watson Research Center in New York (2000-2012) and the University of Sao Paulo in Brazil (1996-2000). Da Silva is an ACM Distinguished Scientist, a member of the board of CRA-W (Computer Research Association's Committee on the Status of Women in Computing Research), a member of CDC (Coalition for Diversifying Computing), co-founder of the Latinas in Computing group, and an event liaison with USENIX. She served as an officer at ACM SIGOPS from 2011 to 2015 and as chair of the ACM Senior Award Committee. In 2015 Da Silva is a very active member of her research community. She has chaired 27 scientific conferences and participated in 100+ program committees. She has published 72 articles in journals, books, refereed conferences and workshops, filed 15 patents, served on more than 30 thesis committees, and has had dozens of mentees, from middle school students to post-doctoral researchers. Da Silva received her doctoral degree in computer science from Georgia Tech in 1997 and her bachelor's and master's degrees from the University of São Paulo, Brazil. Besides pursuing her passion for computing, she spends time reading novels, knitting and keeping in touch with her friends across EIGHT time zones. She is very fortunate in coming from a large extended family with more than 130 first cousins.

## Sandhya Dwarkadas

### University of Rochester



CRA-W GRAD COHORT  
CO-CHAIR

Sandhya Dwarkadas is the Albert Arendt Hopeman Professor of Engineering and Professor and Chair of Computer Science at the University of Rochester, with a secondary appointment in Electrical and Computer Engineering. She received her Bachelor's from the Indian Institute of Technology, Madras, India, and her M.S. and Ph.D. from Rice

University. Her research lies at the interface of hardware and software with a particular focus on concurrency, resulting in over a 100 refereed publications that cross areas within systems. She has made contributions to hardware- and software-based shared memory implementations and system reconfigurability. She is co-inventor on 11 granted U.S. patents. She is a CRA-W board member, and is currently on the editorial board of CACM Research Highlights and IEEE Micro. Her recent research focuses on addressing the challenge of leveraging the computational power of the increasingly large core counts available on today's processors. Her research addresses the challenge at three levels – via scalable hardware cache coherence protocols, via improved language and runtime support for expressing and extracting application parallelism, and via operating system-level energy and resource management. She also continues to stay involved in parallel applications development, particularly in the biomedical domain.

## Laura Haas

### IBM Almaden Research Center



Laura Haas is an IBM Fellow and Director of IBM Research's Accelerated Discovery Lab. She was Director of Computer Science at IBM's Almaden Research Center from 2005 to 2011, and had worldwide responsibility for IBM Research's exploratory science program from 2009 through 2013. From 2001-2005, she led the Information Integration Solutions

architecture and development teams in IBM's Software Group. Previously, Dr. Haas was a research staff member and manager at Almaden. She is best known for her work on the Starburst query processor, from which DB2 LUW was developed, on Garlic, a system which allowed integration of heterogeneous data sources, and on Clio, the first semi-automatic tool for heterogeneous schema mapping. She has received several IBM awards for Outstanding Innovation and Technical Achievement, an IBM Corporate Award for information integration technology, the Anita Borg Institute Technical Leadership Award, and the ACM SIGMOD

Codd Innovation Award. Dr. Haas was Vice President of the VLDB Endowment Board of Trustees from 2004-2009, and is an ACM Fellow, a member of the National Academy of Engineering, the Computer Science and Telecommunications Board, the IBM Academy of Technology, the American Academy of Arts and Sciences, and on the board of the Computing Research Association (vice chair 2009-2015).

## Soha Hassoun

### Tufts University



Soha Hassoun is currently Chair of the Department of Computer Science at Tufts University. She holds secondary appointments in the Department of Electrical and Computer Engineering and also in the Department of Chemical and Biological Engineering at Tufts. Soha received the BSEE degree from South Dakota State University, Brookings, SD, the

Master's degree from the Massachusetts Institute of Technology, Cambridge, MA, and the Ph.D. degree from the Department of Computer Science and Engineering, University of Washington, Seattle, WA. Soha was an integrated circuit designer with the Microprocessor Design Group, Digital Equipment Corporation, Hudson, MA, 1988-1991, and worked as a consultant to several EDA companies including Mentor Graphics and Carbon Design Automation. Her current research interests include developing algorithmic solutions to facilitate designing integrated circuits, and understanding the impact of new technologies such as double-gate devices, carbon nanotubes, and 3-D integration on design. Her other research includes computational methods for Systems Biology and Metabolic Engineering, including pathway analysis, modularity, pathway synthesis, and predictive modeling of biochemical networks. Dr. Hassoun was a recipient of the NSF CAREER Award, and several awards from ACM/SIGDA for her service, including the Distinguished Service Award in 2000 and 2007, and the 2002 Technical Leadership Award. She held executive and technical leadership positions for several conferences and workshops, including DAC, ICCAD, IWLS, and TAU. She was ICCAD Technical Program Chair in 2005, ICCAD Vice Chair in 2006, ICCAD Chair in 2007, DAC Technical Program Co-Chair in 2011 and 2012, DAC Vice Chair in 2013, and DAC Chair in 2014. She co-founded the International Workshop on Bio-Design Automation in 2009. She was an Associate Editor of the IEEE Transactions On Computer-Aided Design and of the IEEE Design and Test magazine. She was nominated to the Defense Science Study Group, affiliated with DARPA's Institute for Defense Analyses. In 2013, she was recognized by the Electronic Design Automation Consortium as one of 33 luminaries in the field of Electronic Design Automation. She served on the IEEE Council on Design Automation, and was

Director of Educational Activities for ACM's Special Interest Group on Design Automation for several years. She is a fellow of Tau Beta Pi, a senior member of IEEE and ACM, and a member of Eta Kappa Nu.

## Kim Hazelwood

Facebook



Kim Hazelwood's research spans computer architecture, performance analysis, and software optimization tools. Since 2015, she has led a performance and datacenter capacity engineering and analysis team within Facebook's infrastructure division at the Menlo Park headquarters. Prior to Facebook, Kim held positions including

Director of Systems Research at Yahoo Labs, Software Engineer at Google, Research Scientist at Intel, and tenured Associated Professor at the University of Virginia. Kim received her PhD from Harvard in 2004. She has published over 50 peer-reviewed articles and one book. She is the recipient of the ACM SIGPLAN 10-Year Test of Time Award, the MIT Technology Review Top 35 Innovators under 35 Award, the Anita Borg Early Career Award, and the NSF CAREER Award. She has also appeared in one major motion picture (The Internship) and contributed to two television series (Silicon Valley Season 2 and The Next MacGyver).

## Julia Hirschberg

Columbia University



Julia Hirschberg is Percy K. and Vida L. W. Hudson Professor of Computer Science and Chair of the Computer Science Department at Columbia University. She worked at Bell Laboratories and AT&T Laboratories -- Research from 1985-2003 as a Member of Technical Staff and a Department Head, creating the Human-Computer Interface

Research Department in 1994. She served as editor-in-chief of Computational Linguistics from 1993-2003 and co-editor-in-chief of Speech Communication from 2003-2006. She served on the Executive Board of the Association for Computational Linguistics (ACL) from 1993-2003, on the Permanent Council of International Conference on Spoken Language Processing (ICSLP) since 1996, and on the board of the International Speech Communication Association (ISCA) from 1999-2007 (as President 2005-2007); she has served on the CRA Executive Board (2013-14), the Association for the Advancement of Artificial Intelligence (AAAI) Council (2012-15), the Executive Board of the North American ACL (2012-15), the IEEE Speech and Language Processing Technical Committee

(2011--), and the board of the CRA-W (2009--). She has been an AAAI fellow since 1994, an ISCA Fellow since 2008, and a (founding) ACL Fellow since 2011, was elected to the American Philosophical Society in 2014, and was selected ACM Fellow in 2016. She is a winner of the IEEE James L. Flanagan Speech and Audio Processing Award (2011) and the ISCA Medal for Scientific Achievement (2011).

## Ayanna Howard

Georgia Tech



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Ayanna Howard, Ph.D. is the Linda J. and Mark C. Smith Chair in Bioengineering in the School of Electrical and Computer Engineering at the Georgia Institute of Technology. She received her B.S. in Engineering from Brown University, her M.S.E.E. from the University of Southern California, and her Ph.D. in Electrical Engineering from the University of Southern California. Her area of research is centered around the concept of humanized intelligence, the process of embedding human cognitive capability into the control path of autonomous systems. This work, which addresses issues of intelligent control as well as aspects of human-robot interaction in real-world environments, has resulted in over 200 peer-reviewed publications in a number of projects – from scientific rover navigation in glacier environments to therapy robots for the home. To date, her unique accomplishments have been highlighted through a number of awards and articles, including highlights in USA Today, Upscale, and TIME Magazine, as well as being named a MIT Technology Review top young innovator, recognized as NSBE Educator of the Year, and receiving the Georgia-Tech Outstanding Interdisciplinary Activities Award. In 2013, she also founded Zyrobotics, which is currently licensing technology derived from her research and has released their first suite of therapy and educational products for children with special needs. From 1993-2005, Dr. Howard was at NASA's Jet Propulsion Laboratory, California Institute of Technology. Following this, she joined Georgia Tech in July 2005 and founded the Human-Automation Systems Lab. She has also served a term as the Associate Director of Research for the Georgia Tech Institute for Robotics and Intelligent Machines and a term as Chair of the multidisciplinary Robotics Ph.D. program at Georgia Tech.

## Jim Kurose

### National Science Foundation



Dr. Jim Kurose is the Assistant Director of the National Science Foundation (NSF) for Computer and Information Science and Engineering (CISE). He leads the CISE Directorate, with an annual budget of more than \$900 million, in its mission to uphold the nation's leadership in scientific discovery and engineering innovation through its support of fundamental research in computer and information science and engineering and transformative advances in cyberinfrastructure. Dr. Kurose is on leave from the University of Massachusetts, Amherst, where he is a Distinguished Professor in the College of Information and Computer Sciences. He has also served in a number of administrative roles at UMass and has been a Visiting Scientist at IBM Research, INRIA, Institut EURECOM, the University of Paris, the Laboratory for Information, Network and Communication Sciences, and Technicolor Research Labs. His research interests include network protocols and architecture, network measurement, sensor networks, multimedia communication, and modeling and performance evaluation. He has received a number of awards for his research and teaching, including several conference best paper awards, the IEEE Infocom Achievement Award, the ACM Sigcomm Test of Time Award, several outstanding teacher awards, and the IEEE/CS Taylor Booth Education Medal. With Keith Ross, he is the co-author of the textbook, *Computer Networking, a top down approach* (7th edition) published by Addison-Wesley/Pearson. Dr. Kurose received his Ph.D. in computer science from Columbia University and a BA degree in physics from Wesleyan University. He is a Fellow of the Association for Computing Machinery (ACM) and the Institute of Electrical and Electronic Engineers (IEEE).

## Ming Lin

### University of North Carolina, Chapel Hill



Ming Lin is currently John R. & Louise S. Parker Distinguished Professor of Computer Science at the University of North Carolina (UNC), Chapel Hill and an honorary Chair Professor (Yangtze Scholar) at Tsinghua University in China. She obtained her B.S., M.S., and Ph.D. in Electrical Engineering and Computer Science from the University of California, Berkeley. She received several honors and awards, including the NSF Young Faculty Career Award in 1995, Honda

Research Initiation Award in 1997, UNC/IBM Junior Faculty Development Award in 1999, UNC Hettleman Award for Scholarly Achievements in 2003, Beverly W. Long Distinguished Professorship 2007-2010, Carolina Women's Center Faculty Scholar in 2008, UNC WOWS Scholar 2009-2011, IEEE VGTC Virtual Reality Technical Achievement Award in 2010, and several best paper awards at international conferences. She is a Fellow of ACM and IEEE. Her research interests include physically-based modeling, virtual environments, sound rendering, haptics, robotics, and geometric computing. She has (co-)authored more than 250 refereed publications in these areas and co-edited/authored four books. She has served on hundreds of program committees of leading conferences and co-chaired dozens of international conferences and workshops. She is a member of IEEE Computer Society (CS) Board of Governors, the Chair of 2015 IEEE CS Transactions Operations Committee and a member of Executive Committee of 2015 IEEE CS Publications Board. She is a former Editor-in-Chief of IEEE Transactions on Visualization and Computer Graphics (2011-2014) and a member of several editorial boards. She also has served on several steering committees and advisory boards of international conferences, as well as government and industrial technical advisory committees.

## Patty Lopez

### Intel Corp.



Dr. Patty Lopez is a Senior Platform Applications Engineer at Intel Corporation, working with customers to deliver Xeon server chip solutions that power high end data centers and mission critical applications. Prior to joining Intel in 2008, she spent 19 years as an Imaging Scientist for Hewlett Packard, creating and transferring technology in imaging into scanner, camera, and all-in-one products. She has released over fifty products and holds seven imaging patents. She earned her BS (with honors), MS, and PhD in Computer Science from New Mexico State University (NMSU). Dr. Lopez serves on the advisory boards of the Computing Research Association-Women (CRA-W), the Computing Alliance of Hispanic Serving Institutions (CAHSI), the NMSU Foundation, and the NMSU Computer Science Department. She is an emerita board member for the Anita Borg Institute, is a Distinguished Alumna for the NMSU College of Arts and Sciences. She received the Society of Women Engineer's 2016 Advocating Women in Engineering Award, and the HENAAC/Great Minds in STEM Community Service Award in 2010. A founding member and co-chair of Latinas in Computing, a MentorNet mentor, and a member of the NCWIT Workforce Alliance, Patty has

been active for the past several years on the Grace Hopper Celebration of Women in Computing Conference organizing committee, and served as the 2013 GHC General Co-Chair (Industry). Her research interests include CS education, E-textiles, and wearable computing. Her volunteer efforts are focused on building the STEM pipeline for K-16 and beyond, and creating an inclusive organizational culture in the workplace.

**Kathryn McKinley**  
Microsoft Research



Kathryn S. McKinley is a Principal Researcher at Microsoft and previously held an Endowed Professorship in the Department of Computer Science at The University of Texas at Austin. Her research interests span programming languages, compilers, runtime systems, architecture, performance, and energy with a recent focus on programming models for

estimates. She and her collaborators have produced several widely used tools: the DaCapo Java Benchmarks (30,000+ downloads), the TRIPS Compiler, Hoard memory manager, MMTk memory management toolkit, and the Immix garbage collector. Her awards include the ACM SIGPLAN Programming Languages Software Award; ACM SIGPLAN Distinguished Service Award; and best & test of time paper awards from ASPLOS, OOPSLA, ICS, SIGMETRICS, IEEE Micro Top Picks, SIGPLAN Research Highlights, and CACM Research Highlights. She served as program chair for ASPLOS, PACT, PLDI, ISMM, and CGO. She is currently a CRA and CRA-W Board member. Dr. McKinley was honored to testify to the House Science Committee (Feb. 14, 2013). She is honored to be among the IEEE and ACM Fellows and to have graduated 22 PhD students. She and her husband Scotty Strahan have been married 31 years and have three sons.

**Gail Murphy**  
University of British Columbia



Gail C. Murphy is a Professor in the Department of Computer Science and Associate Dean (Research & Graduate Studies) in the Faculty of Science at the University of British Columbia. She is also a co-founder and Chief Scientist at Tasktop Technologies Incorporated. Her research interests are in improving the productivity of

software developers and knowledge workers by giving them tools to identify, manage and coordinate the information that really matters for their work. Dr. Murphy is a Fellow of the Royal Society of Canada and an ACM Distinguished Scientist. With her students,

she has received best and test of time awards from ICSE, Modularity and ACM SIGSOFT. She is serving as the general chair for SPLASH 2017 and has previously served as a program (co-)chair for ICSE and FSE. She is on the editorial boards for CACM and IEEE TSE. She received a B.Sc. (Honours) degree in Computing Science from the University of Alberta and the M.S. and Ph.D. degrees in Computer Science from the University of Washington.

**Lucy Nowell**  
Department of Energy - Office of Science



Dr. Lucy Nowell is a computer scientist and program manager in the Office of Advanced Scientific Computing Research (ASCR) within the Department of Energy's Office of Science. She manages a broad spectrum of ASCR-funded computer science research, with emphasis on scientific data management, analysis and visualization. Previously she

served as a Program Director in the Office of Cyberinfrastructure at the National Science Foundation and as a research Program Manager for the Department of Defense, managing projects related to information analysis and visualization. Her MS and Doctorate in Computer Science are from Virginia Tech.

**Susan Rodger**  
Duke University



Susan Rodger is a Professor of the Practice in the Department of Computer Science at Duke University. She was previously an Assistant Professor in the Computer Science Department at Rensselaer Polytechnic Institute. She received her MS and PhD in Computer Science from Purdue University and her BS in Computer Science and Mathematics

from North Carolina State University. Her research is in visualization, algorithm animation and computer science education. She has developed JFLAP, software for experimenting with formal languages and automata that is used in courses worldwide. She leads the Adventures in Alice Programming project to teach K-12 teachers about computing. She has organized three Alice Symposiums and over thirty workshops on Alice, JFLAP, Peer-led Team learning, career mentoring, and other computer science education topics. Rodger is currently chair of ACM SIGCSE, a board member of CRA-W, and a member of the ACM Education Policy Committee. Rodger received the ACM 2013 Karl V. Karlstrom Outstanding Educator Award, the ACM Distinguished Educator award, and she was one of two finalist candidates for the NEEDS

Premier Award for Excellence in Engineering Education Courseware for the software JFLAP

### Magy Seif El-Nasr Northeastern University



Magy Seif El-Nasr is an associate Professor in the Colleges of Computer and Information Sciences and Arts, Media and Design, where she directs the Playable Innovative Technologies Lab. Dr. Seif El-Nasr earned her Ph.D. degree from Northwestern University in Computer Science. Her research focuses on two goals (a) developing automated tools and

techniques for authoring, adapting, and personalizing virtual environments (e.g., interactive narrative, believable characters, and visuals), and (b) developing evidence-based methodologies to measure the effectiveness of game environments through the development of novel in-depth behavior mining and visual analytics tools. She recently published the first book on the subject of game analytics, called Game Analytics: Maximizing the Value of Player Data. Her work is internationally known and cited in several game industry books, including Programming Believable Characters for Computer Games (Game Development Series) and Real-time Cinematography for Games. She has received several awards and recognition within the game research community. Notably, she received four Best Paper Awards and several citations in industry books and magazines. She is on the editorial board of: IEEE Transactions on Computational Intelligence and Artificial Intelligence in Games and IEEE Transactions on Affective Computing.

### Amanda Stent Yahoo!



Dr. Stent manages researchers at Yahoo who work on discourse processing and related topics. Previously, she was a Principal Member of Technical Staff at AT&T Labs -- Research in NJ, and before that an associate professor in the Computer Science Department at Stony Brook University in Stony Brook, NY. She holds a PhD in computer science from the University of Rochester. She has authored over 80 papers on natural language processing and co-inventor on over a dozen patents and patent applications. She is president of the ACL/ISCA Special Interest Group on Discourse and Dialog and one of the rotating editors of the journal Dialogue & Discourse.

### Lydia Tapia University of New Mexico



Lydia Tapia is a fifth year Assistant Professor in the Department of Computer Science at the University of New Mexico. She was recently awarded the Denise Denton Emerging Leader Award at Grace Hopper and a National Science Foundation CAREER Award. At UNM she has filed two patents, one on a novel Unmanned Aerial Vehicle design and another on a method to

design allergen treatments. She achieves amazing research on simulating and analyzing motions due to her thriving research team, the Adaptive Motion Planning Research Group, that works on both molecular and robotics applications. Her students have won an international award for undergraduate research, a national conference research award, and regional awards for high school computing. When they are not in the lab, you can often find them doing interactive robot demos for the community at local schools, robotics competitions, and previously at the New Mexico State Fair.

### Laura Vardoulakis Google



Laura Vardoulakis is a Senior User Experience Researcher at Google, where she works on the Search & Intelligence team within Google Apps. Laura received her Ph.D. in Computer Science from Northeastern University, focusing on Human-Computer Interaction and patient-facing health systems. Her research has been published in CHI, Intelligent Virtual

Agents, AAAI, and featured in The Wall Street Journal and MIT Technology Review.

### Rita Wouhaybi Intel Corp.



Rita H. Wouhaybi is a research scientist with Intel Labs Systems and Software Research at Intel Corporation. she received a Ph.D. in Electrical Engineering from Columbia University in 2006. She holds a Bachelor and a Master degree in Computer and Communications Engineering from the American University of Beirut. Rita's career includes more than 12

years of industry experience, with diverse roles in engineering, management and research. Her research interests include peer-to-peer and distributed networks, game theory, and the use of

machine learning in networking and social networks. Her current work is focused on enabling users to take ownership and make sense of their personal data. Rita holds 7 issued patents in the field of social networking, computer networking and context-aware computing. She has additionally filed over 100 patents. Her research has been published in over 20 papers in acclaimed IEEE and ACM conferences and journals. Rita was the recipient of several awards for both academic and industry achievements, including New Investigator Award at Grace Hopper Celebration of Women in Computing, and best paper award at ACM Wireless Health.

**Rebecca Wright**  
Rutgers



Rebecca Wright is a professor in the Computer Science Department and Director of DIMACS at Rutgers. Earlier, she was a professor in the Computer Science Department at Stevens Institute of Technology and a researcher in the Secure Systems Research Department at AT&T Labs and AT&T Bell Labs. Her research spans the area of information security, including cryptography, privacy, foundations of computer security, and fault-tolerant distributed computing, as well as foundations of networking. Dr. Wright serves as an editor of the International Journal of Information and Computer Security and of the Transactions on Data Privacy. She is a member of the board of the Computer Research Association's Committee on the Status of Women in Computing Research (CRA-W), and was a member of the board of directors of the International Association for Cryptologic Research from 2001 to 2005. She was Program Chair of Financial Cryptography 2003 and the 2006 ACM Conference on Computer and Communications Security (CCS) and General Chair of Crypto 2002, and has also served on numerous program committees. She received a Ph.D. in Computer Science from Yale University, a B.A. from Columbia University, and an honorary M.E. from Stevens Institute of Technology.

**Yuqing Melanie Wu**  
Pomona College



Professor Wu is an Associate Professor of Computer Science at Pomona College. She completed her Ph.D. in Computer Science from University of Michigan, Ann Arbor. She earned her M.S. degree from Indiana University, Bloomington and an M.S./B.S. degree from Peking University, China. She joined Indiana University in 2004 and taught there till 2015.

Prof. Wu's research focuses on data representation, query

languages, query processing and optimization, indexing and security of data repositories for relational, semi-structured and graph data. Prof. Wu's recent research involves algebra for queries, normalization, indexing and security of XML data repositories, storage and query of data on the Semantic Web, exact and approximate search on graph data, data management in parallel computing environments, and analysis of social media data for social-economical insights. Prof. Wu has published in top venues including SIGMOD, VLDB, ICDE, ICDT, EDBT, CIKM, VLDBj, TKDE, IS, etc. She serviced on program committees of leading database conferences, including SIGMOD, VLDB, ICDE, ICDT, EDBT, CIKM, etc., and as reviewers for various journals. Prof. Wu is a member of ACM-W executive council and the chair of ACM-W communication committee. She is also a member of CRA-W board of directors and co-chairs the CREU (Collaborative Research Experiences for Undergraduates) program.

**Yuanyuan Zhou**  
University of California, San Diego



Yuanyuan (YY) Zhou is a Qualcomm Chair Professor in Mobile Computing at University of California, San Diego (UCSD) since 2009. Prior to UCSD, she was a tenured professor at University of Illinois, Urbana-Champaign (UIUC). Her area of expertise include data centers, computer systems, data analytics and mobile systems. She has so far graduated 18 Ph.D

students, most of whom are now either successful entrepreneurs or tenured/tenure-track professors at top universities including University of Chicago, University of Toronto, University of Waterloo, Ohio State University, etc. She has graduated 3 women Ph.d students. In parallel to her academic career, she has also co-founded three companies, with the first two successfully exited to public companies. She obtained her BS in computer science from Peking University, and her MS and Ph.D from Princeton University. She is an ACM Fellow and IEEE Fellow, Sloan Research Fellow (2007) and the winner of ACM Mark Weiser award (2015).



# Institutions

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