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**Thank
You!**

We'd like to give a huge thanks to our Media Partners Johnson & Johnson, JupiterReturn, and SWIFT for production and making the livestream possible (ncwit.org/livestream).

We are also grateful to USAA, Brad Feld and Amy Batchelor, as well as Link Technologies for their support of the 2016 NCWIT Summit.

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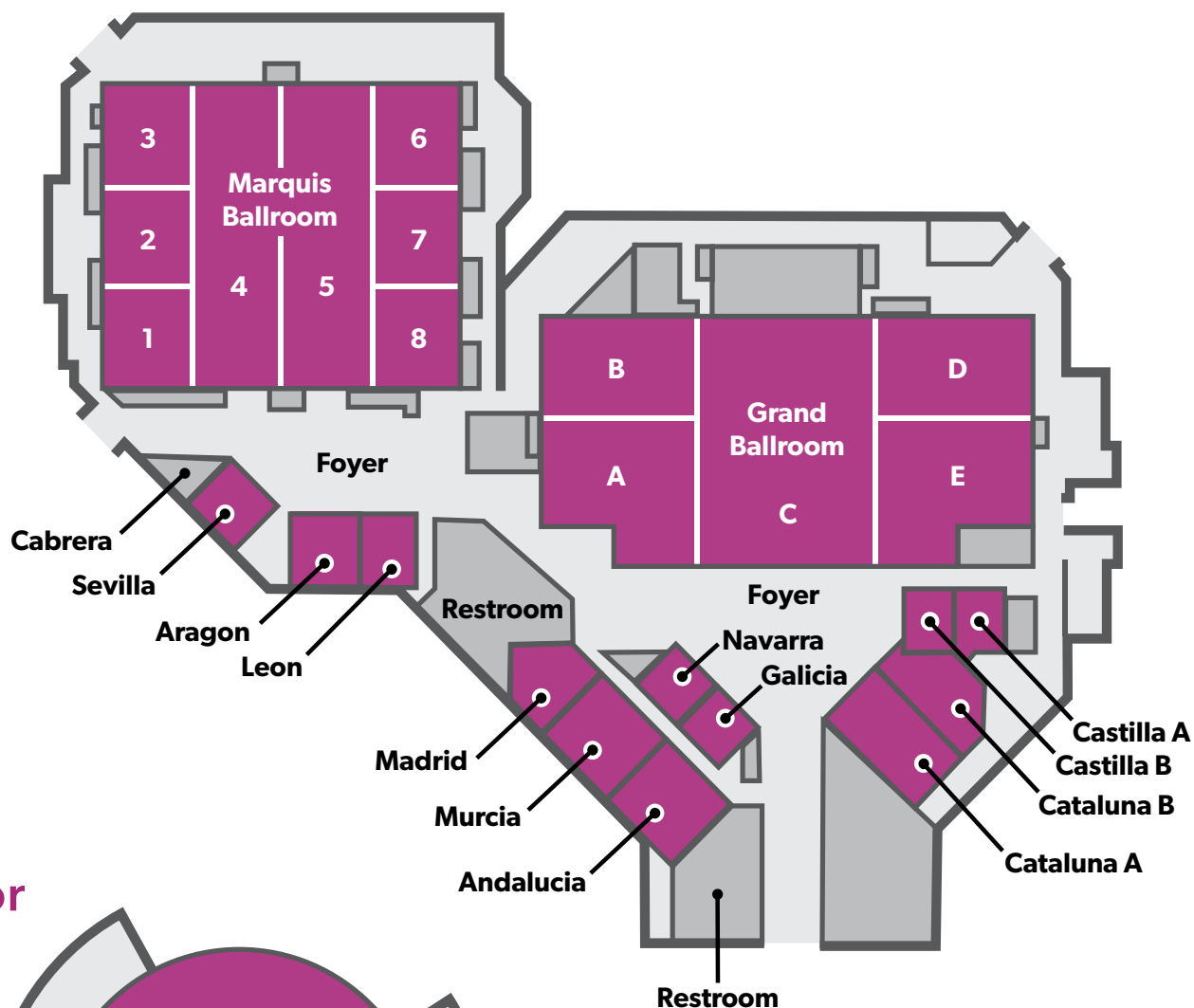
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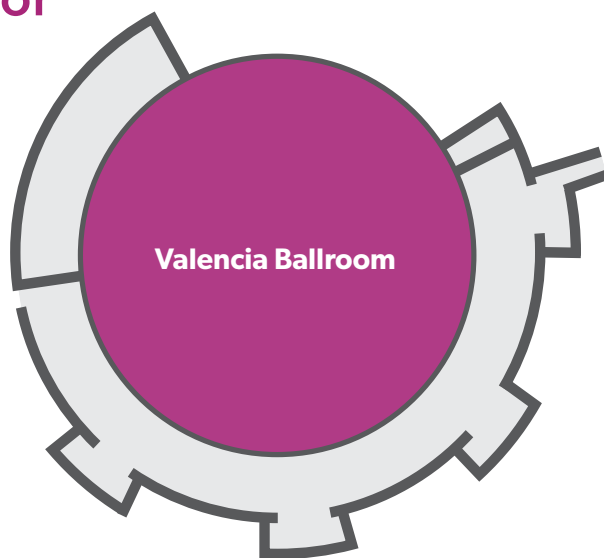
JW Marriott Las Vegas Resort & Spa Map

Conference Center

1st Floor

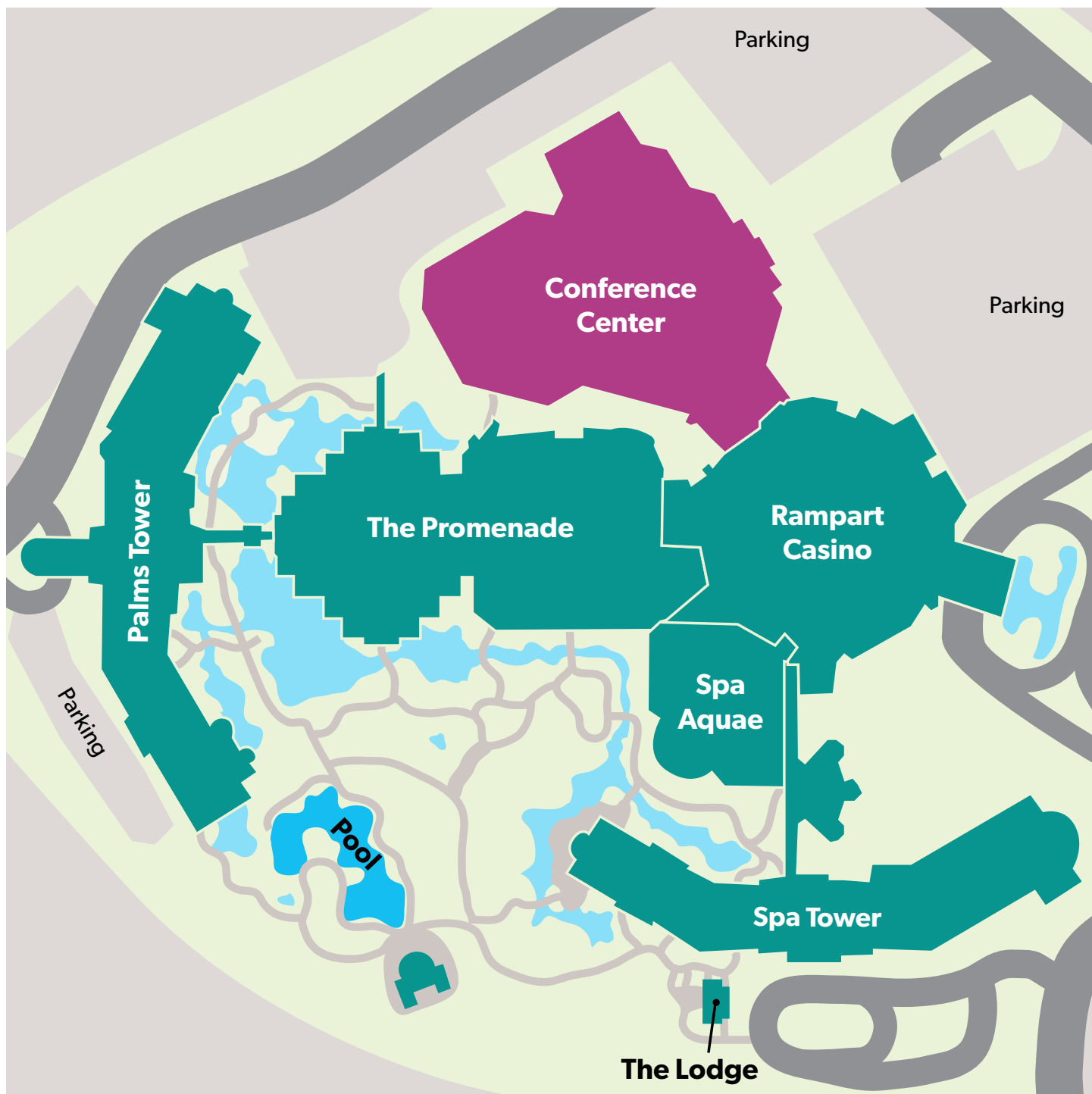


2nd Floor



JW Marriott Las Vegas Resort & Spa Map

Resort Grounds



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Three-day Schedule

Monday | May 16, 2016



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Celebration



Livestream

TIME	EVENT	LOCATION
2:45 – 3:45 p.m.	<p>ALLIANCE MEETINGS I</p> <p>NCWIT's alliances meet face-to-face only once a year, so this meeting will be jam-packed and action-oriented. Alliance meetings are open only to members of that alliance and invited guests.</p> <p><i>Academic Alliance Meeting</i></p> <ul style="list-style-type: none"> View the detailed agenda: www.ncwit.org/16AAMeeting. <p><i>Affinity Group Alliance Meeting</i></p> <ul style="list-style-type: none"> View the detailed agenda: www.ncwit.org/16AGAMeeting. <p><i>K-12 Alliance Meeting</i></p> <ul style="list-style-type: none"> View the detailed agenda: www.ncwit.org/16K12Meeting. <p><i>Workforce & Entrepreneurial Alliances Meeting</i></p> <ul style="list-style-type: none"> View the detailed agenda: www.ncwit.org/16WAEAMeeting. 	<p>Grand C</p> <p>Marquis 8</p> <p>Marquis 6 & 7</p> <p>Grand D & E</p>
4:00 – 6:00 p.m.	<p>SUMMIT WELCOME</p> <p>NCWIT CEO and Co-founder <i>Lucy Sanders</i> officially welcomes attendees to the 2016 NCWIT Summit.</p> <p>COLLEGIATE AWARD</p> <p>Get inspired as we celebrate the recipients of the 2016 NCWIT Collegiate Award for their technical projects that demonstrate a high level of creativity and potential societal impact.</p> <p>Presented by <i>Patricia Russo</i>, Chairman, Hewlett Packard Enterprise; <i>Susan M. Armstrong</i>, Senior Vice President, Engineering, Qualcomm, Inc.; and <i>Janice Zdankus</i>, Vice President, Quality, Hewlett Packard Enterprise</p> <p>PIONEER AWARD</p> <p>Please join us as we honor the 2016 NCWIT Pioneer Award Winner <i>Cynthia Solomon</i>.</p> <p>Presented by <i>Susan M. Armstrong</i>, Senior Vice President, Engineering, Qualcomm, Inc.</p> <p>PLENARY I – UNDERSTANDING FAIRNESS IN MACHINE LEARNING</p> <p><i>Moritz Hardt</i>, Senior Research Scientist, Google Research</p> <p>Moritz will illustrate through examples why machine learning is not, by default, fair or just in any meaningful way. We will then learn why it is difficult to scrutinize and regulate the algorithms that increasingly govern our lives in domains such as education, employment, advertising, health care, and policing. Notwithstanding these obstacles, Moritz will discuss progress on formally pinning down fairness in machine learning.</p>	<p>Marquis 1-5</p>
6:00 – 7:30 p.m.	<p>RECEPTION</p> <p>Please join us for a reception with members of the NCWIT community and invited guests, sponsored by USAA, as well as Brad Feld and Amy Batchelor.</p>	<p>Pool</p>

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Three-day Schedule

Tuesday | May 17, 2016



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Celebration



Livestream

TIME	EVENT	LOCATION
8:00 – 9:00 a.m.	BREAKFAST Join attendees bright and early for breakfast before the second plenary.	Valencia
9:00 – 10:45 a.m.	 ENGAGECSEdu ENGAGEMENT EXCELLENCE AWARDS Help us recognize outstanding faculty who contribute the best of the best to the EngageCSEdu collection. Presented by <i>Maggie Johnson</i> , Director of Education and University Relations, Google EXTENSION SERVICES TRANSFORMATION (NEXT) AWARDS Let's applaud the 2016 winners — academic departments that show significant, positive outcomes in women's enrollment and graduation rates. Presented by <i>Maggie Johnson</i> , Director of Education and University Relations, Google HARROLD AND NOTKIN RESEARCH AND GRADUATE MENTORING AWARD Given in memory of Mary Jean Harrold and David Notkin, we are proud to honor Dr. Carla Brodley as an exemplary faculty member in graduate mentoring. Presented by <i>Avis Yates Rivers</i> , President and CEO, Technology Concepts Group International, LLC PLENARY II – INTERSECTIONALITY & DIVERSITY IN COMPUTING: KEY DILEMMAS AND WHAT TO DO ABOUT THEM <i>Melissa Harris-Perry</i> , Presidential Endowed Chair in Politics and International Affairs, Wake Forest University How can we best incorporate intersectionality into diversity efforts? This session will offer tips for creating intersectional approaches to diversifying computing that attend to multiple identities (e.g., race, gender, ability). Melissa will discuss some of the pros and cons of different kinds of approaches, how to avoid potential pitfalls, and strategies for effectively reaching a diverse range of women and girls.	Marquis 1-5 

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TIME	EVENT	LOCATION
11:00 a.m. – 12:00 p.m.	ROUND I WORKSHOPS, EMPOWER HOURS, AND MINI-PLENARIES We are offering a multitude of sessions for deeper discussion and collaboration so that you feel inspired and prepared to make change after the Summit is over. Get ready to get your hands dirty. <i>(NOTE: Several sessions will repeat at 1:00 p.m., and each Mini-Plenary will only run once. Each option will fill on a first-come, first-served basis.)</i>	
	 WORKSHOPS See pages 14-15 for workshop descriptions.	
	1. DESIGNING INCLUSIVE MAKERSPACES Presenter: <i>Sylvia Martinez</i>	Grand D
	2. INCLUDING STUDENTS WITH DISABILITIES IN THE COMPUTING EDUCATION PIPELINE Presenter: <i>Richard Ladner</i>	Aragon
	3. GETTING BEYOND THEY'RE JUST NOT OUT THERE: PLANFUL DESIGN FOR A DIVERSE FACULTY Presenters: <i>Sherri Sanders</i> and <i>Lecia Barker</i>	Madrid
	4. SHATTERING THE GLASS SLIPPER OF ICT PROFESSIONS: PRACTICAL STRATEGIES Presenter: <i>Karen Ashcraft</i>	Grand E
	5. AFFORDABLE PARTICIPATORY IMPROV WORKSHOPS FOR RESPONDING TO EXPLICIT AND IMPLICIT SEXISM IN TECHNOLOGY Presenters: <i>Dr. Celine Latulipe</i> and <i>Sarah Provencal</i>	Andalucia
	6. WISE INTERVENTIONS: INCREASING BELONGING AND FOSTERING GROWTH Presenter: <i>Greg Walton</i>	Marquis 7
	7. OpEd PROJECT: WHO NARRATES THE WORLD Presenter: <i>Zeba Khan</i> <i>(NOTE: This will be a two-hour workshop that runs once, beginning at 11:00 a.m.)</i>	Grand B
	8. THE WAY FORWARD: ALTERNATIVE PATHWAYS TO CAREERS IN IT Presenters: <i>Catherine Ashcraft</i> , <i>Carol Fishman Cohen</i> , and <i>Elizabeth Eger</i>	Marquis 6

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TIME	EVENT	LOCATION
11:00 a.m. – 12:00 p.m.	<p>CONTINUED: ROUND 1 WORKSHOPS, EMPOWER HOURS, AND MINI-PLENARIES</p> <p>NCWIT EMPOWER HOURS (NOTE: Several sessions will repeat at 1:00 p.m., and each option will fill on a first-come, first-served basis.)</p> <p>See pages 15-16 for NCWIT Empower Hours descriptions.</p> <ol style="list-style-type: none"> HOW DO YOU KNOW IF YOU'VE MADE AN IMPACT? LEARN TO EVALUATE YOUR CHANGE EFFORTS Presenters: <i>Wendy DuBow</i> and <i>Lyn Swackhamer</i> NCWIT RESEARCH: A SOCIAL SCIENCE PRIMER Presenter: <i>Brad McLain</i> BROADENING PARTICIPATION THROUGH ENGAGING PEDAGOGY: THE ENGAGECSEdu ENGAGEMENT PRACTICES FRAMEWORK (NOTE: This session does NOT repeat at 1:00 p.m.) Presenters: <i>Alvaro Monge</i>, <i>Beth Quinn</i>, and <i>Stephanie Weber</i> NCWIT TOWN HALL MEETING (FOR ACADEMIC ALLIANCE MEMBERS) (NOTE: This session does NOT repeat at 1:00 p.m.) Presenters: <i>Tim Faiella</i> and <i>Leisa Thompson</i> FLASH TANK FLASHBACK: AN NCWIT RESPONSE TO THE 2015 WINNING PRESENTATION Presenters: <i>Jane Krauss</i>, <i>Linda Ott</i>, and <i>Dr. Chris Wood</i> <p>MINI-PLENARIES (NOTE: Mini-Plenaries will only run once. Each option will fill on a first-come, first-served basis.)</p> <p>See page 17 for mini-plenary descriptions.</p> <ol style="list-style-type: none"> BEYOND THE BINARY: EXPANDING OUR IDEAS OF DIVERSITY IN TECH (NOTE: This session does NOT repeat at 1:00 p.m.) Presenter: <i>Kortney Ziegler</i> DIVERSITY, TECHNOLOGY, AND EDUCATION (NOTE: This session does NOT repeat at 1:00 p.m.) Presenter: <i>Mizuko Ito</i> 	<p>Marquis 8</p> <p>Cataluna</p> <p>Leon</p> <p>Sevilla</p> <p>Murcia</p> <p>Grand C</p> <p>Grand A</p>
12:00 – 1:00 p.m.	<p>LUNCH Refuel, and get ready for more engaging conversation with fellow attendees.</p>	Valencia

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Three-day Schedule

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TIME	EVENT	LOCATION
1:00 – 2:00 p.m.	<p>ROUND II WORKSHOPS, EMPOWER HOURS, AND MINI-PLENARIES</p> <p>We are offering a multitude of sessions for deeper discussion and collaboration so that you feel inspired and prepared to make change after the Summit is over. Get ready to get your hands dirty.</p> <p><i>(NOTE: Several sessions are repeated from 11:00 a.m., and each Mini-Plenary will only run once. Each option will fill on a first-come, first-served basis.)</i></p> <p> WORKSHOPS</p> <p><i>Workshops 1-8 repeat from 11:00 a.m. in the same rooms, as listed on page 8.</i></p> <p> NCWIT EMPOWER HOURS</p> <p><i>Empower Hours 1, 2, and 5 repeat from 11:00 a.m. in the same rooms, as listed on page 9.</i></p> <p>3. DATA TRANSPARENCY A YEAR LATER: LOOKING BACK AND MOVING FORWARD Presenter: <i>Catherine Ashcraft</i></p> <p>4. NCWIT TOWN HALL MEETING (FOR WORKFORCE ALLIANCE MEMBERS) Presenters: <i>Tim Faiella</i> and <i>Leisa Thompson</i></p> <p> MINI-PLENARY</p> <p>1. NET-NEUTRALITY, BROADBAND ACCESS, AND UNLICENSED SPECTRUMS: CONNECTING THE UNSERVED AND UNDERSERVED Presenter: <i>Matthew Rantanen</i></p>	<p>Grand A</p> <p>Sevilla</p> <p>Grand C</p>
2:15 – 3:45 p.m.	<p> ACADEMIC ALLIANCE SEED FUND</p> <p>Come hear all about the recruitment and retention projects of the February 2016 Seed Fund recipients.</p> <p>Presented by <i>Daron Green</i>, Managing Director, Microsoft Research Outreach</p> <p>UNDERGRADUATE RESEARCH MENTORING (URM) AWARD</p> <p>Help us acknowledge the latest URM Award recipients who use their high-quality research opportunities as a way to more actively engage students.</p> <p>Presented by <i>Luz M. Gonzalez</i>, Senior Vice President of Solutions Delivery, AT&T</p>	<p>Marquis 1-5</p> <p></p>



Three-day Schedule

Tuesday | May 17, 2016



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TIME	EVENT	LOCATION
2:15 – 3:45 p.m. (continued) 	PLENARY III – CREATIVITY IN THE 21ST CENTURY <i>Benjamin Jones</i> , Professor of Strategy and the Gund Family Professor of Entrepreneurship, Kellogg School of Management Einstein believed that great contributions to science came before age 30 and that the classic image of a scientist or inventor is that of a great mind working alone. The idea that singular, young people drive the advance of science and technology remains pervasive, including in Silicon Valley. But, what is the evidence? Looking systematically at science, patenting, and entrepreneurship, we find that great advances today are not the provenance of the young. In the 21 st century, the greatest ideas, innovations, and new firms increasingly come from individuals near age 40 and older. Moreover, technological progress is a team sport, with the greatest breakthroughs increasingly coming from teams of individuals, rather than solo actors. This talk will review this evidence, discuss mechanisms at work, and consider applications to building effective innovative teams today.	Marquis 1-5 
3:45 – 4:15 p.m.	SNACK BREAK Stretch your legs and grab some light refreshments.	Foyers
4:15 – 6:00 p.m. 	FLASH TANK Judges: <i>Jane Condon</i> , Comedian; <i>Alicia A. Lebrija Hirschfeld</i> , Executive President, Fundación Televisa A.C.1; <i>Matt Wallaert</i> , East Coast Lead and Behavioral Scientist, Microsoft Ventures; and <i>Yunfei Xu</i> , Global Head of Engineering, Portfolio Risk Analytics and Index Products, Bloomberg LP Moderator: <i>Jeff Forbes</i> , Associate Professor of the Practice of Computer Science and Associate Dean, Trinity College at Duke University Presenters: <i>Jill Denner</i> , PhD, Senior Research Scientist ETR; <i>Ruha Devanesan</i> , Manager, Global Diversity and Inclusion, Symantec; <i>Daniela Marghitu</i> , Professor, Computer Science and Software Engineering, Auburn University; <i>Alberto Roca</i> , PhD, Founder, DiverseScholar; <i>Emmanuel Schanzer</i> , Founder, Bootstrap; and <i>Jill Wetzler</i> , Director of Engineering, Lyft The Flash Tank is back! Six change leaders from the NCWIT community will have five minutes each to give a FlashTalk on something NCWIT should prioritize in the areas of diversity, education, image, innovation, social movements, and more. This is their opportunity to tell us about that wishlist item — “I really wish NCWIT had research on this.” or “It’d be awesome if NCWIT ran a campaign focused on this.” The winning Flash Tank presenter will receive a Microsoft Surface Book, courtesy of Microsoft.	Marquis 1-5 
6:00 – 7:30 p.m. 	RECEPTION Please join us for a wine and cheese reception with members of the NCWIT community and invited guests, sponsored by Link Technologies.	Pool

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Three-day Schedule

Wednesday | May 18, 2016



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Livestream

TIME	EVENT	LOCATION
8:00 – 9:00 a.m.	BREAKFAST Join attendees bright and early for breakfast before Alliance Meetings II.	Valencia
9:00 – 10:45 a.m.	ALLIANCE MEETINGS II NCWIT's alliances meet face-to-face only once a year, so this meeting will be jam-packed and action-oriented. Alliance meetings are open only to members of that alliance and invited guests. <p><i>Academic Alliance Meeting II</i></p> <ul style="list-style-type: none"> View the detailed agenda: www.ncwit.org/16AAMeeting. <p><i>Affinity Group Alliance Meeting II</i></p> <ul style="list-style-type: none"> The AGA will not convene as an Alliance on Wednesday, May 18. Corporate affinity group representatives should attend the WA/EA Summit Meeting, and all other AGA member representatives may choose to attend the K-12 Alliance Meeting or the Academic Alliance Meeting. <p><i>K-12 Alliance Meeting II</i></p> <ul style="list-style-type: none"> View the detailed agenda: www.ncwit.org/16K12Meeting. <p><i>Workforce & Entrepreneurial Alliances Meeting II</i></p> <ul style="list-style-type: none"> View the detailed agenda: www.ncwit.org/16WAEAMeeting. 	Grand A, B, & C N/A Marquis 6 & 7 Grand E & D, Castilla, and Cataluna A & B
10:45 – 11:15 a.m.	SNACK BREAK Stretch your legs and grab some light refreshments.	Foyers



Three-day Schedule

Wednesday | May 18, 2016



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Livestream

TIME	EVENT	LOCATION
11:15 a.m. – 1:00 p.m.	<p>NCWIT FLASH TANK And the 2016 NCWIT Flash Tank winner is...</p> <p>REEL WIT AWARD Presented by <i>Madeline Di Nonno</i>, CEO, Geena Davis Institute</p> <p>We will celebrate the inaugural winners of the first-ever Reel Women in Technology (Reel WiT) Award, sponsored by the Geena Davis Institute on Gender in Media, Google, and NCWIT. This award recognizes the best portrayal of a leading woman in technology from a program (e.g. documentary, tv show, film, YouTube, etc.) who serves as a role model for girls and women with computing aspirations while disrupting the stereotypes of female ingenuity in technology fields.</p> <p>2016 Fiction Winner Rey of Star Wars: Episode VII - The Force Awakens, accepted by <i>Rayne Roberts</i>, Creative Executive, Lucasfilm</p> <p>2016 Non-fiction Winner CodeGirl, accepted by <i>Lesley Chilcott</i>, Filmmaker, CodeGirl</p> <p>PLENARY IV - THE POWER OF STORYTELLING <i>Dave Filoni</i>, Executive Producer / Supervising Director, Star Wars Rebels</p> <p>Dave Filoni, 11-year veteran of Lucasfilm and Executive Producer/Supervising Director of Star Wars: The Clone Wars and Star Wars Rebels, will talk about the inspirational power of storytelling and the importance of depicting intelligent and independent female lead characters.</p> <p>SUMMIT CLOSING REMARKS NCWIT CEO and Co-founder <i>Lucy Sanders</i></p>	<p>Marquis 1-5</p> 
1:00 p.m.	<p>GRAB AND GO LUNCH Boxed lunches will be available for attendees at 1:00 p.m.</p>	Marquis Foyer

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Breakout Sessions Descriptions

WORKSHOPS

DESIGNING INCLUSIVE MAKERSPACES

Round 1: 11:00 a.m. on Tuesday | Grand D

Round 2: 1:00 p.m. on Tuesday | Grand D

Sylvia Martinez, President, Constructing Modern Knowledge Press

Makerspaces are popping up everywhere. If they are to live up to their potential of providing access to tools, education, and collaboration in tech for all communities, then we need them to be inclusive. Learn how to design inclusive makerspaces in this interactive workshop with the author of the “bible” of makerspaces.

INCLUDING STUDENTS WITH DISABILITIES IN THE COMPUTING EDUCATION PIPELINE

Round 1: 11:00 a.m. on Tuesday | Aragon

Round 2: 1:00 p.m. on Tuesday | Aragon

Richard Ladner, Professor, Computer Science and Engineering, University of Washington

Approximately 14% of K-12 students are identified as having a disability with Individualized Education Plans (IEPs) or Section 504 Plans. With national initiatives such as CS10K and CS for All, inclusion of underrepresented groups in computing courses has become paramount at the K-12 level. Approximately 10% of college students have a disability, and only about 4% of PhDs have disabilities. Improving the representation of students with disabilities in computing higher education and in the computing workforce will help to improve innovation because of their skills and perspectives. In this workshop, we will explore the barriers to inclusion of these students and how these barriers can be overcome. Indeed, technology itself can help break down the barriers.

GETTING BEYOND THEY'RE JUST NOT OUT THERE: PLANFUL DESIGN FOR A DIVERSE FACULTY

Round 1: 11:00 a.m. on Tuesday | Madrid

Round 2: 1:00 p.m. on Tuesday | Madrid

Sherri Sanders, Associate Vice President for Inclusion and Equity, University of Texas at Austin; and Lecia Barker, Senior Research Scientist, NCWIT

This workshop will provide tools and advice for creating and maintaining a diverse faculty. Leave with a solid checklist for how to gain commitment and support of your colleagues and administrators, establish and implement a faculty diversity plan, and successfully recruit with retention in mind.

SHATTERING THE GLASS SLIPPER OF ICT PROFESSIONS: PRACTICAL STRATEGIES

Round 1: 11:00 a.m. on Tuesday | Grand E

Round 2: 1:00 p.m. on Tuesday | Grand E

Karen Ashcraft, Professor of Organizational Communication, University of Colorado Boulder

This workshop expands on a keynote address delivered at the 2015 Summit. Then, Dr. Ashcraft introduced the “glass slipper” to capture how durable associations between professions and people (e.g., computing and certain kinds of men) are formed and preserved over time. The glass slipper reminds us that diversifying an occupation is far more complicated than advice like “lean in” suggests. But if glass slippers are made, they can also be broken and reconstructed through creative practices. This workshop is designed for change agents in diverse settings who wish to cultivate practical strategies toward this end.

AFFORDABLE PARTICIPATORY IMPROV WORKSHOPS FOR RESPONDING TO EXPLICIT AND IMPLICIT SEXISM IN TECHNOLOGY

Round 1: 11:00 a.m. on Tuesday | Andalucia

Round 2: 1:00 p.m. on Tuesday | Andalucia

Dr. Celine Latulipe, Associate Professor in the Department of Software and Information Systems, University of North Carolina at Charlotte; and Sarah Provencal, Adjunct Professor of Theatre and Box Office Manager, Winthrop University

We present a fun and non-threatening way to brainstorm positive responses to the challenges women face in a male-dominated tech field. This interactive improvisational workshop can be run with students, faculty, or IT professionals. All that is required is one facilitator with experience using Augusto Boal's Theater of the Oppressed methodology and a co-facilitator from the local department/college/organization. Dr. Celine and Professor Sarah will run this workshop to show you how it is done. This will be followed by a 20-minute discussion about how you can find a local theater facilitator and how different participants can benefit from these workshops.



Breakout Sessions Descriptions

WISE INTERVENTIONS: INCREASING BELONGING AND FOSTERING GROWTH

Round 1: 11:00 a.m. on Tuesday | Marquis 7

Round 2: 1:00 p.m. on Tuesday | Marquis 7

Greg Walton, Associate Professor of Psychology, Stanford University

Take a deeper dive into growth mindset and belonging. Additionally, learn how to implement practical interventions to increase belonging, and to foster a growth mindset in academic and industry contexts.

OPeD PROJECT: WHO NARRATES THE WORLD

Round 1: 11:00 a.m. on Tuesday | Grand B

Zeba Khan, Writer and Commentator

(NOTE: This will be a two-hour workshop that runs **once**, beginning at 11:00 a.m. and will not repeat.)

This interactive workshop addresses the core questions of thought leadership: what we know, why it matters, and how and when we can use it for maximum impact. We will also lead a large-group experiment in credibility. Participants will walk away with bold ideas, a deeper sense of what they (as well as their colleagues) know and stand for, and actionable steps.

THE WAY FORWARD: ALTERNATIVE PATHWAYS TO CAREERS IN IT

Round 1: 11:00 a.m. on Tuesday | Marquis 6

Round 2: 1:00 p.m. on Tuesday | Marquis 6

Catherine Ashcraft, Senior Research Scientist, NCWIT; Carol Fishman Cohen, CEO, iRelaunch; and Elizabeth Eger, Graduate Research Associate, Consultant

This session will focus on the latest trends and strategies in return to work pathways, as well as how these pathways and programs can help address underrepresentation and intersecting biases around gender, age, class, and race. Bring your questions, and be prepared for group discussion on how you or your organization might use these findings and strategies to create more alternative pathways into computing careers.

EMPOWER HOURS

HOW DO YOU KNOW IF YOU'VE MADE AN IMPACT? LEARN TO EVALUATE YOUR CHANGE EFFORTS

Round 1: 11:00 a.m. on Tuesday | Marquis 8

Round 2: 1:00 p.m. on Tuesday | Marquis 8

Wendy DuBow, Director of Evaluation and Senior Research Scientist, NCWIT; and Lyn Swackhamer, Research Associate and Evaluator, NCWIT

NCWIT's two internal evaluators will highlight the importance of evaluating your change efforts, then share how you can go about evaluating a single intervention or small project. Learn what resources NCWIT already has, so you don't have to reinvent the wheel! (This session is appropriate for all Alliance members.)

NCWIT RESEARCH: A SOCIAL SCIENCE PRIMER

Round 1: 11:00 a.m. on Tuesday | Cataluna

Round 2: 1:00 p.m. on Tuesday | Cataluna

Brad McLain, Research Scientist, NCWIT

We'll discuss many of the social science concepts integral to NCWIT's work, such as unconscious bias, microinequities, stereotype threat, personality penalties, growth mindset, bias interrupters, and intersectionality. We'll also highlight examples of how these concepts shape NCWIT's work, including — Thinking like a scientist: A social science perspective on the challenges of inclusion in tech; Research into Practice: How NCWIT research translates into NCWIT resources; and NCWIT Research projects: Past, Present, and Future.

BROADENING PARTICIPATION THROUGH ENGAGING PEDAGOGY: THE ENGAGECSEdu ENGAGEMENT PRACTICES FRAMEWORK

Round 1: 11:00 a.m. on Tuesday | Leon

Alvaro Monge, Professor, Computer Engineering and Computer Science, California State University - Long Beach; Beth Quinn, Research Scientist, NCWIT; and Stephanie Weber, STEM Curriculum Consultant, NCWIT

(NOTE: This session does NOT repeat at 1:00 p.m.)

As a faculty member at a college or university, what can you do, as an instructor, to help retain women in your programs? Explore the Engagement Practices Framework with the EngageCSEdu Team.

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Breakout Sessions Descriptions

NCWIT TOWN HALL MEETING (FOR ACADEMIC ALLIANCE MEMBERS)

Round 1: 11:00 a.m. on Tuesday | Sevilla

Tim Faiella, Social Science Program Manager, NCWIT; and Leisa Thompson, Extension Services Director of Research and Consulting, NCWIT

(NOTE: This session does NOT repeat at 1:00 p.m.)

Want to share stories about your own interventions and hear from others with similar goals? This session is an open forum without a formal agenda. Spend an hour with your peers, and have an open discussion about your best successes and near misses as a change leader.

FLASH TANK FLASHBACK: AN NCWIT RESPONSE TO THE 2015 WINNING PRESENTATION

Round 1: 11:00 a.m. on Tuesday | Murcia

Round 2: 1:00 p.m. on Tuesday | Murcia

Jane Krauss, Curriculum Consultant, NCWIT; Linda Ott, PhD, Professor, Computer Science, Associate Dean for Special Initiatives (College of Sciences and Arts), Michigan Technological University; and Dr. Chris Wood, Associate Professor, Educational & Clinical Studies Department, the University of Nevada – Las Vegas

What are career assessments telling women they should “be” when they grow up? Learn what’s happened since Linda Ott presented her winning Flash Tank talk, “Career Planning Tools: A Roadblock to Computing Careers?” at last year’s Summit. Speakers will discuss the nature of career assessments and avenues of inquiry NCWIT explored. Join the conversation about what we can do, as a community, to increase exposure to computing education and career pathways.

DATA TRANSPARENCY A YEAR LATER: LOOKING BACK AND MOVING FORWARD

Round 2: 1:00 p.m. on Tuesday | Grand A

Catherine Ashcraft, Senior Research Scientist, NCWIT

We will look back over successes, challenges, and key developments in the past year as tech companies continue to refine the public release of their workforce data. The session will explore lessons learned and factors to consider when increasing data transparency, either publicly or internally. We will also look at ways to move forward in improving the kinds of data collected to ensure the meaningful participation of women and other underrepresented groups.

NCWIT TOWN HALL MEETING (FOR WORKFORCE ALLIANCE MEMBERS)

Round 2: 1:00 p.m. on Tuesday | Sevilla

Tim Faiella, Social Science Program Manager, NCWIT; and Leisa Thompson, Extension Services Director of Research and Consulting, NCWIT

Want to share stories about your own interventions and hear from others with similar goals? This session is an open forum without a formal agenda. Spend an hour with your peers, and have an open discussion about your best successes and near misses as a change leader.



Breakout Sessions Descriptions

MINI-PLENARIES

BEYOND THE BINARY: EXPANDING OUR IDEAS OF DIVERSITY IN TECH

Round 1: 11:00 a.m. on Tuesday | Grand C

*Kortney Ziegler, Founder, Trans*HACK*

(NOTE: This session will only run **once**.)

The notion of diversity as being integral to startup success has begun to take strong shape in the tech industry, forcing many companies and organizations to tackle practices of inclusion. While race and gender equity have guided such conversations, this talk covers the recent trajectory of “diversity in tech” conversations and the ways in which transgender technologists have included themselves in the discourse.

DIVERSITY, TECHNOLOGY, AND EDUCATION

Round 1: 11:00 a.m. on Tuesday | Grand A

Mizuko Ito, Professor in Residence and John D. and Catherine T. MacArthur Foundation Chair in Digital Media and Learning, University of California, Irvine

(NOTE: This session will only run **once**.)

Why do we see declining diversity in the tech sector despite its progressivism and despite continuing efforts to expand access to STEM and CS education? Dr. Ito will delve into the forces underlying this seeming paradox. In order to learn and be successful in technical and creative fields, young people need access to informal social networks as well as the formal educational and career pipeline. Evidence shows that without attention to these social and cultural dimensions, well-meaning efforts at educational innovation and reform can exacerbate equity gaps.

NET-NEUTRALITY, BROADBAND ACCESS, AND UNLICENSED SPECTRUMS: CONNECTING THE UNSERVED AND UNDERSERVED

Round 2: 1:00 p.m. on Tuesday | Grand C

Matthew Rantanen, Director of Technology, Southern California Tribal Chairmen’s Association (SCTCA)

(NOTE: This session will only run **once**.)

Rantanen is at the forefront of rural access, working on all aspects of this issue — policy, construction, and training. He will discuss the need for better network access on reservations generally, and how several reservations in Southern California were able to build their own wireless networks using unlicensed spectrum and the power of the sun. This success has inspired others, including in Idaho, to take similar approaches to ensure modern connectivity. Rantanen will also discuss the importance of unlicensed spectrum to ensure that underserved communities can build the networks they need without having to ask for permission.



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NCWIT Collegiate Award



The NCWIT Collegiate Award honors the outstanding technical accomplishments of college women of any year of study. Conferred upon up to six winners annually, the Award recognizes technical projects that demonstrate a high level of creativity and potential societal impact.

Sponsored by Hewlett Packard Enterprise and Qualcomm, each award winner receives a \$10,000 cash award, an engraved trophy, and a trip to the annual NCWIT Summit on Women and IT for recognition at an awards ceremony and an opportunity to network with Collegiate Award Sponsors at a private reception. Each of the 12 women with honorable mentions receives a \$2,500 cash award, a framed certificate, and a trip to the Summit and private reception.

The Aspirations in Computing program is sponsored nationally by Apple, AT&T, Bank of America, Bloomberg, Google, Hewlett Packard Enterprise, Intel, Microsoft, Motorola Solutions Foundation, Northrop Grumman, Qualcomm, and Symantec.

aspirations.org/collegiate

2016 NCWIT COLLEGIATE AWARD WINNERS:

JOY BUOLAMWINI, Massachusetts Institute of Technology (MIT), "Bloomertech Smart Bra Mobile Application"

This mobile application project allows women to visualize and monitor their heart health across a range of physical activities, giving them the insight and information to detect early warning signs of cardiovascular problems.

JASMINE COLLINS, University of Pittsburgh, "Protein-Ligand Scoring Meets Machine Learning"

This project can provide a more efficient, cost-effective method for pharmaceutical drug discovery by providing predictions of protein-ligand interaction potency, which can lead to finding new therapeutics for cancer and neurodegenerative diseases.

XYLA FOXLIN, Case Western Reserve University, "Parihug"

This pairable teddy bear lets individuals "hug" each other from anywhere in the world and allows children to continue learning how to develop relationships with their primary caregiver, even when that caregiver is away.

RACHEL HOLLADAY, Carnegie Mellon University, "Robot Gesture Engine (RoGuE)"

RoGuE is a motion-planning approach that enables robots to generate gestures across scenarios, which improve robot communication and partnership skills in human environments and collaborative settings.

MEENUPRIYA SWAMINATHAN, Northeastern University, "Intrabody Internet of Implantables and Wearables Using Galvanic Coupling"

This proposed technology allows implants to safely communicate wirelessly using the conduction properties of human body tissue, providing an energy efficient way to bridge the gap between the sensor and communication technologies.

JENNY WANG, Harvard University, "Fully Automated Computational Brain Image Segmentation for Cross-Modality Analysis of Neurodegenerative Diseases"

This project, which contributes directly to President Obama's Brain Initiative, is an automatic brain image segmentation technique that allows for efficient and accurate brain modeling and analysis.

Honorable mentions include Elaina Cole, Brittney English, Kathryn Hodge, Wei Low, Nichola Lubold, Kate Miller, Halima Olapade, Kate Park, Alisha Saxena, Farita Tasnim, Stephanie Valentine, and Irene Zhang.



NCWIT Pioneer Award



NCWIT
PIONEER
AWARD

The NCWIT Pioneer Award recognizes technical women whose lifetime contributions have significantly impacted the landscape of technological innovation, amplifying the importance of capitalizing on the diverse perspectives that girls and women can bring to the table. Pioneer Award recipients also serve as role models whose legacies continue to inspire generations of young women to pursue computing and make history in their own right.

Past Pioneer Award winners include computer scientist and programmer Jean E. Sammet who is best-known for her work on FORMAC, Mathematicians Patricia Palombo and Lucy Simon Rakov who worked on NASA's Project Mercury at a time when computing was in its infancy, IBM's Eleanor Kolchin, as well as NASA Mathematicians Katherine Johnson for her critical space flight trajectories, and Dr. Christine Darden for her expertise in the areas of the sonic boom.

ncwit.org/pioneeraward

2016 NCWIT PIONEER AWARD WINNER:



CYNTHIA SOLOMON

Cynthia Solomon's focus has been on creating fun-filled, thoughtful, personally expressive, and aesthetically pleasing learning environments for children. Her work has spanned several important collaborations, including her four-decade-long collaboration on Logo, the first programming

language and programming environment designed specifically for children. In the course of building Logo and its successor learning environments, Cynthia was a founder of Logo Computer Systems and directed the development of Apple Logo, the first commercial version of Logo. In addition, her seminal book, "Computer Environments for Children," was the first comprehensive reflection on computers in education, and her paper with Seymour Papert, "Twenty Things to do with a Computer," is a classic in the field.

Cynthia received a BA in History at Radcliffe College, a MA in Computer Science from Boston University, and a PhD in Education at Harvard University. She serves on the program committees of Constructing Modern Knowledge and the Marvin Minsky Institute on Artificial Intelligence.



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NCWIT EngageCSEdu Engagement Excellence Awards



The NCWIT EngageCSEdu Engagement Excellence Awards recognize faculty who are making a difference in their introductory computer science classrooms through excellent and engaging curriculum, contributing the best of the best to the EngageCSEdu collection.

Funded by Google, each contributor or team of contributors receives a \$5,000 gift from NCWIT.

ncwit.org/engagcseduawards

2016 NCWIT ENGAGECSEdu ENGAGEMENT EXCELLENCE AWARD WINNERS:

ELIZABETH BOESE, Lecturer, Department of Computer Science, University of Colorado Boulder, "Using Programming to Analyze Real Human DNA Files"

Using diet and DNA sequencing information, this assignment has students explore computing concepts (such as Python dictionaries) in a captivating way. This highly creative project helps students make interdisciplinary connections and see the meaningful contributions that computing makes to real-world problems. The project employs other effective pedagogical techniques, such as pair programming, and engages students at multiple skill levels through interesting extra credit opportunities. All of these practices can help encourage all students, especially women, to persist in computing.

MARK LeBLANC, Professor of Computer Science, Department of Math and Computer Science, Wheaton College, Set of Assignments Applying Computational Analyses to Poetry

In these assignments, students artfully "bend" poetry using programming and algorithmic thinking. By making interdisciplinary connections, this highly creative set of assignments helps students see the relevance of computing to their lives. These practices have been shown to be effective in encouraging all students, especially women, to persist in computing. In addition, the assignments have well-defined learning goals, scaffold students' problem-solving by breaking down larger tasks into subtasks, and offer flexibility for a variety of instructors and students.



NCWIT Extension Services Transformation (NEXT) Awards



The NEXT Awards celebrate past and present Extension Services for Undergraduate Programs (ES-UP) clients for excellence in recruiting and retaining women in computing education. The awards reflect and reward practices that NCWIT recognizes as having the most significant impact on the long-term goal of increasing the number of women in information technology and other computing-related fields. Winning departments show significant positive outcomes in women's enrollment and graduation rates, and have excellent potential for building on these gains.

Funded by Google.org, Grand Prize winners receive up to \$100,000 and Second Place winners receive up to \$50,000.

ncwit.org/nextawards

2016 NCWIT NEXT AWARD WINNERS:

GRAND PRIZE WINNER (\$100,000)

University of California, Irvine School of Information and Computer Sciences for its outreach efforts, a commitment to student evaluation, interdisciplinary course development, raw increase in women students, and cultural changes. Additionally, the effort to seek external funding from industry partners and share results via conference papers was particularly notable.

The Collaborative Team at UC Irvine includes Dr. Sharnnia Artis, Ms. Antigone Blackwell, Dr. Amelia Regan, Ms. Neha Rewal, Dr. Debra J. Richardson, and Dr. Nalini Venkatasubramanian; the Team's Extension Services consultant is Dr. Elsa Macias.

SECOND PLACE WINNERS (\$50,000)

University of Texas at Austin Department of Computer Science for its allocation of resources towards building a department-wide culture of support and community for women, as well as addressing the challenge of soaring enrollment by relying on data to guide its efforts in a sustainable manner.

The Collaborative Team at UT Austin includes Ms. Tiffany Grady Buckley, Dr. Lori McNabb, and Dr. Bruce Porter; the Team's Extension Services consultants are Dr. Jennifer Goodall, Dr. Igor Ryabov, and Ms. Michelle Slattery.

Virginia Polytechnic Institute and State University Department of Computer Science for its array of initiatives focused on student recruitment and retention, such as peer mentoring, the CS minor, and the living learning community, as well as its raw increase in women students and cultural changes. Additionally, strong institutional support and efforts to disseminate results at a variety of professional meetings were particularly remarkable.

The Collaborative Team at Virginia Tech includes Ms. Libby Bradford, Mr. Greg Farris, Dr. Scott McCrickard, and Dr. Barbara G. Ryder; the Team's Extension Services consultant includes Dr. Cathy Brawner.

Honorable Mentions include the University of Pennsylvania Departments of Computer and Information Science, Mechanical Engineering and Applied Mechanics, and Electrical and Systems Engineering; and the University of California, Berkeley Departments of Electrical Engineering and Computer Science.

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NCWIT Harrold and Notkin Research and Graduate Mentoring Award



The NCWIT Harrold and Notkin Research and Graduate Mentoring Award is given in memory of Mary Jean Harrold and David Notkin, in honor of their outstanding research, graduate mentoring, and diversity contributions. The award recognizes faculty members from non-profit, U.S. institutions (excluding U.S. territories) who combine outstanding research accomplishments with excellence in graduate mentoring, as well as those who advocate for recruiting, encouraging, and promoting women and minorities in computing fields.

Sponsored by the NCWIT Board of Directors, the award recipient's institution receives a \$5,000 gift from NCWIT.

ncwit.org/harroldnotkin

2016 NCWIT HARROLD AND NOTKIN RESEARCH AND GRADUATE AWARD WINNER:

DR. CARLA BRODLEY

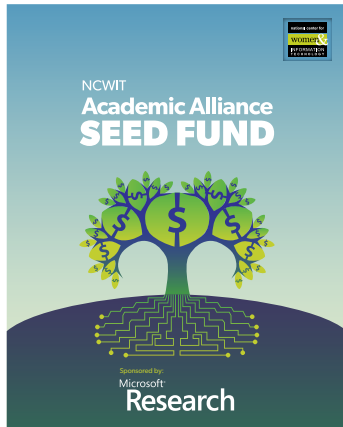
Dr. Carla Brodley, currently the Dean of the College of Computer and Information Science at Northeastern University (NEU), mentors the junior faculty at NEU and has also created mentoring activities for all NEU PhD students. Prior to her role at NEU, Dr. Brodley was a professor of the Department of Computer Science and the Clinical and Translational Science Institute at Tufts University. In her last 20 years of work, Dr. Brodley has graduated 11 PhD students, more than any other faculty member in the Computer Science Department at Tufts University, and she is still mentoring two students, one of whom will graduate this spring.

A Fellow of the Association for the Advancement of Artificial Intelligence (AAAI), Dr. Brodley holds many leadership positions in computer science and her chosen research field of machine learning and data mining including co-chair of the International Conference on Machine Learning (ICML), co-chair of AAAI, and serving as an associate editor of the Journal of AI Research, the Journal of Machine Learning Research, and Machine Learning. Furthermore, she is also on the editorial boards of JMLR, Machine Learning, DKMD, DARPA's Information Science and Technology (ISAT) Board, and member-at-large of the Information Computing and Communication Section of AAAS. She has also served on the Defense Science Study Group, the Computer Research Association Board of Directors, the AAAI Council, and she co-chaired CRA-W from 2008-2011.

In a letter of recommendation from a colleague at Tufts, Dr. Brodley said it would be a "great honor" to be nominated for the award, as she knew both Mary Jean and David, and she has "deep respect for their professional accomplishments and for their commitment to mentoring at all levels."



NCWIT Academic Alliance Seed Fund



The NCWIT Academic Alliance Seed Fund awards NCWIT Academic Alliance members at non-profit, U.S. institutions (excluding U.S. territories) with start-up funds to develop and implement initiatives for recruiting or retaining women in computing.

With generous support from Microsoft Research, 47 member organizations have received a total of \$545,450 to grow their computing-related outreach programs, which focus on professional development, mentoring and networking opportunities, hands-on training, workshops, and more.

ncwit.org/seedfund

2016 NCWIT ACADEMIC ALLIANCE SEED FUND WINNERS:

DORDT COLLEGE will offer ten annual scholarships for girls who attend the college's residential, overnight summer camp. Dordt also plans to expand upon the school's "Girls Who Code" program, which focuses on fostering young female students' interest in computer science education, by visiting sites in surrounding communities where technical women work within the industry.

Project Principal Investigator: Kari Sandouka

FLORIDA A&M UNIVERSITY intends to purchase "Raspberry Pi" kits to be used in outreach activities for the purpose of creating instructional videos directed at high school and middle school students. The school will also implement a monthly research seminar designed to encourage interested undergraduate students to pursue undergraduate and graduate research avenues in computer science.

Project Principal Investigators: Hongmei Chi, Sharmini Pitter, and Maurice Edington

GEORGIA INSTITUTE OF TECHNOLOGY plans to implement its "reFOCUS" program in order to increase the number of qualified, underrepresented female applicants in the college's PhD programs. "reFOCUS" is a two-day program that includes informational sessions, lab tours, networking opportunities, interactive workshops, and individual meetings with faculty members.

Project Principal Investigators: Jennifer N. Whitlow, and Cedric Stallworth

NORTHEASTERN UNIVERSITY aims to offer a unique opportunity of peer recruitment efforts involving various student groups on campus. The primary outcome of the recruitment will be a video documenting why students transferred to the College of Computer and Information Science (CCIS), and it will be showcased in many different places, including the CCIS website.

Project Principal Investigator: Andrea Parker

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NCWIT Undergraduate Research Mentoring Award



The NCWIT Undergraduate Research Mentoring Award recognizes Academic Alliance representatives at non-profit, U.S. institutions (excluding U.S. territories) for their outstanding mentorship, high-quality research opportunities, recruitment of women and minority students, and efforts to encourage and advance undergraduates in computing-related fields.

Sponsored by AT&T, the award winners' institution receives a \$5,000 gift that can be used for the winners' own research.

ncwit.org/urmaward

2016 NCWIT UNDERGRADUATE RESEARCH MENTORING AWARD WINNERS:

DR. BONITA SHARIF, Assistant Professor, Department of Computer Science and Information Systems, College of STEM, Youngstown State University

Sharif has mentored 14 students; more than 40% of these 14 students were women, and nearly 30% of her students continued on to graduate school. She also participates with the organizing committee for the Ohio Celebration of Women in Computing, and she will become the program chair in the upcoming year.

DR. AMY HURST, Assistant Professor, Human-Centered Computing, Information Systems Department, University of Maryland, Baltimore County (UMBC)

Hurst believes that mentoring is one of the best ways to support students as they grow intellectually and make their career choices. In her five years at UMBC, she has mentored 41 students; 61% of these students belonged to underrepresented groups in STEM, and 27% of these 41 students have continued on to graduate school.

DR. DANIEL GARCIA, Teaching Professor, Electrical Engineering and Computer Sciences, University of California, Berkeley

Garcia has mentored more than 500 students in his 16 years at UC Berkeley, and many of them find his efforts exemplary. For example, when a group of undergraduates gave a presentation to faculty, their only request was to have more groups like Dr. Garcia's. Approximately 100 of his mentored students have continued on to graduate school, and more than 40% of his students belonged to underrepresented groups in STEM.

DR. TIFFANY BARNES, Associate Professor, Department of Computer Science, North Carolina State University

Barnes encourages students to apply for awards, honors, and fellowships, as well as graduate school. She offers expertise on writing applications and conducts in-lab reviews. Barnes has mentored 83 students; 73% of these students belonged to minority groups in computing, and 55% of these 83 students continued on to graduate school.



Reel WiT Award



The Reel Women in Technology (Reel WiT) Award recognizes the best portrayal of a leading woman in technology from a program (e.g. documentary, tv show, film, YouTube, etc.) who serves as a role model for girls and women with computing aspirations while disrupting the stereotypes of female ingenuity in technology fields.

The first-ever winners were determined by a combination of public voting and expert input from entertainment and technology professionals.

The Reel WiT Award is presented by the Geena Davis Institute on Gender in Media, Google, and NCWIT.

ncwit.org/reelwit

2016 REEL WIT AWARD WINNERS:



FICTION WINNER
REY OF STAR WARS: EPISODE VII - THE FORCE AWAKENS, accepted by Rayne Roberts, Creative Executive, Lucasfilm

Rey, a presumably orphaned woman on planet Jakku, survives as a smart, savvy scavenger who scales dangerous shipwrecks for scrap metal, and uses her mechanical and engineering skills to repurpose parts that she can trade for food at the Niima Outpost. Rey became co-pilot of the Millennium Falcon after meeting legendary pilot Han Solo, who recognized her skills and potential within moments of meeting her. In a galaxy on the brink of war, Rey stood out as a heroine who saves the day.



NON-FICTION WINNER
CODEGIRL, accepted By Lesley Chilcott, Filmmaker, Codegirl

"CodeGirl" follows teams of high school-aged women who compete in Technovation, an entrepreneurship contest that challenges girls and young women worldwide to build a mobile app that addresses a community problem. The documentary captures how exposure to computing can empower young women to solve a variety of dire social issues and transform their lives.

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NEW NCWIT Resources



BY THE NUMBERS (2016 UPDATE)

NCWIT's Women in IT: By the Numbers presents the most compelling statistics on women's participation in IT on a single page.

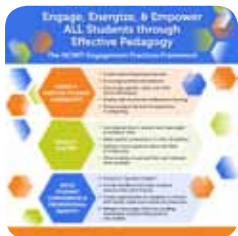
ncwit.org/bythenumbers



CRITICAL LISTENING GUIDE: JUST BECAUSE YOU ALWAYS HEAR IT, DOESN'T MEAN IT'S TRUE

Use this online guide to help identify common misunderstandings that surface when people talk about how to increase the participation of women. Learn to spot "red flags" that indicate a particular discussion is headed in a direction that may not be research-based or effective.

ncwit.org/criticallistening



ENGAGECSEdu POSTER

With EngageCSEdu, you can foster diversity in your introductory computer science courses with quality content and engaging pedagogy. This 11x17 poster provides an overview of the Engagement Practices Framework, which is centered around growing a positive student community, making materials matter, as well as building student confidence and professional identity.

ncwit.org/EngageCSEduPoster



EVALUATION TOOLS

Find a variety of surveys, observation forms, self-evaluation forms, and more that you can use "as is" or adapt for your own evaluation purposes. There are instruments for K-12, workplace, and post-secondary interventions.

ncwit.org/evaluation



MALE ALLIES AND ADVOCATES: HELPING CREATE INCLUSIVE & HIGHLY PRODUCTIVE TECHNOLOGY WORKPLACES

The NCWIT Male Allies and Advocates Toolkit is intended to support workplace efforts to engage male allies and advocates in diversity and inclusion initiatives. These tools are designed to equip change leaders in two areas: 1) setting the stage for success and raising initial awareness and 2) developing a plan of action for male advocacy efforts and evaluating success.

ncwit.org/ma-toolkit



NEW NCWIT Resources



NCWIT TIPS: 11 WAYS TO DESIGN INCLUSIVE ACADEMIC WEBSITES

Your computing department's website is an important source of information for current and prospective students. These tips will help you create a website that welcomes diverse students and effectively promotes computing and your department.

ncwit.org/academicwebsites



RECRUIT AND RETAIN STRATEGICALLY

NCWIT Extension Services for Undergraduate Programs (ES-UP) recommends a strategic, sustainable approach for attracting and retaining women that focuses on revising educational systems for an inclusive experience for all students, as opposed to changing the students to fit these systems. Explore the components of an effective strategic plan, and design your own strategic plan.

ncwit.org/esup-model



SPONSORSHIP TOOLKIT

This toolkit contains a variety of resources for people seeking to advance sponsorship — for would-be sponsors, and for protégés looking for a sponsor. Use these tools to help you make the case for sponsorship in your organization, to help others understand the differences between mentors and sponsors, to help you identify potential sponsors, or to help you be an effective sponsor yourself.

ncwit.org/sponsor



STRATEGIC PLANNING FOR RECRUITING WOMEN INTO UNDERGRADUATE COMPUTING: HIGH YIELD IN THE SHORT TERM (2015 UPDATE)

This workbook includes examples, guidance, and templates for developing a strategic recruitment plan to increase participation of females in undergraduate computing.

ncwit.org/recruitingworkbook



WOMEN IN TECH: THE FACTS (2015-16 UPDATE)

One of NCWIT's most popular reports has been updated for 2015-16. See what's changed and what hasn't. Women in Tech: The Facts brings together the latest findings from recent research on technical women including the current state of affairs for technical women, a summary of the key barriers to women's participation in technology, promising practices for addressing these barriers, and tools to support your organization's change efforts.

ncwit.org/thefacts

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THANK YOU TO OUR FINANCIAL PARTNERS!

The following organizations provide NCWIT with critical support throughout the year.

LIFETIME PARTNER



Partner focuses on the Innovation and Emerging Talent pipeline effort to double the number of women prepared for computing jobs, including the K-12 Alliance, Aspirations in Computing, and TECHNOOchicas

STRATEGIC PARTNERS



Supporter of (through competitive grant programs) NCWIT research, resource creation and distribution, and K-18 programs, including Extension Services for Undergraduate Programs (ES-UP), Pacesetters, and Community Colleges



Microsoft

Sponsor of the Academic Alliance Seed Fund, TECHNOOchicas, and the Aspirations in Computing Affiliates program



Sponsor of the Aspirations in Computing National Award program



Sponsor of Extension Services for Undergraduate Programs (ES-UP), EngageCSEdu, the Student Seed Fund (WiC Groups), and the Aspirations in Computing AspireIT program (near-peer instruction for K-12 girls)



Sponsor of the Aspirations in Computing AspireIT program (near-peer instruction for K-12 girls)



Sponsor of Counselors for Computing (C4C), which offers professional school counselors with information to guide students on pathways to computing careers

INVESTMENT PARTNERS



Startup investor in NCWIT



Sponsor of the K-12 Alliance



Sponsor of the Undergraduate Research Mentoring Award and the Aspirations in Computing Educator Award



Sponsor of the Aspirations in Computing Community, including online and face-to-face meetings



Sponsor of the Collegiate Award

SUSTAINING PARTNERS



Supporter of TECHNOOchicas



Supporter of Entrepreneurial Alliance programs, including the Symons Innovator Award



Sponsor of the Collegiate Award, Pacesetters, and the Aspirations in Computing Affiliates program