

CISE / EHR Principal Investigator & Community Meeting for Computer Science in STEM

February 1-2, 2016 • National Harbor, MD • www.ncwit.org/2016cise • Hotel WIFI ID: *CISE* • Password: *cise16*

| Sunday, January 31 | | Location |
|---------------------|---|--|
| 6:00 pm – 7:00 pm | Early Registration | Cherry Blossom Lobby |
| Monday, February 1 | | Location |
| 7:00 am – 6:30 pm | Registration , Sign-up for dynamically scheduled breakout sessions | Cherry Blossom Lobby |
| 7:00 am – 8:00 am | Breakfast | Cherry Blossom Lobby |
| 8:00 am – 8:15 am | Welcome and Introduction Jan Cuny (<i>NSF</i>) and Arlene de Strulle (<i>NSF</i>) | Cherry Blossom Ballroom |
| 8:15 am – 9:00 am | Computer Science Education at NSF Jim Kurose (<i>NSF</i>) and Joan Ferrini-Mundy (<i>NSF</i>) | Cherry Blossom Ballroom |
| 9:00 am – 9:15 am | Break | Cherry Blossom Lobby |
| 9:15 am – 10:15 | The Future of Diversity in Tech: Structural Realities and Institutional Correctives Mimi Ito (<i>University of California-Irvine</i>) | Cherry Blossom Ballroom |
| 10:15 am – 10:30 am | Break | Cherry Blossom Lobby |
| 10:30 am – 11:15 am | A Street Level Conversation about Equity, Education, and Computing Kamau Bobb (<i>NSF</i>) Quincy Brown (<i>AAAS Fellow, NSF</i>) Mimi Ito (<i>University of California-Irvine</i>) Jane Margolis (<i>UCLA</i>) | Cherry Blossom Ballroom |
| 11:15 am – 11:20 am | <i>Walk to breakout sessions</i> | |
| 11:20 am – 12:35 pm | Breakout Sessions 1 <i>Pre-Planned Sessions</i> <ul style="list-style-type: none"> • Computational Thinking Practices in Exploring Computer Science (Discussion) <ul style="list-style-type: none"> ○ Eric Snow and Daisy Rutstein (<i>SRI International</i>) • What’s Happening with AP CSP: Course and Exam? (Discussion) <ul style="list-style-type: none"> ○ Owen Astrachan (<i>Duke</i>) • African American Women and Girls in Tech: Challenging Stereotypes and Changing Perceptions (Discussion) <ul style="list-style-type: none"> ○ Ruthe Farmer (<i>NCWIT</i>) and Jamika Burge (<i>UCLA/CDC</i>) • CSNYC: Implementing CS4All through Programs and Partnerships; Find out how to partner with NYC’s initiative (Presentation and Discussion) <ul style="list-style-type: none"> ○ Michael Preston and Leigh Ann DeLyser (<i>CSNYC</i>) • BPC PI Meeting (CLOSED) <ul style="list-style-type: none"> ○ Kamau Bobb (<i>NSF</i>) • STEM+C Track 1 (REQUIRED) PI Community Meeting <ul style="list-style-type: none"> ○ Arlene de Strulle (<i>NSF</i>) | Cherry Blossom Ballroom Woodrow Wilson B Woodrow Wilson C Woodrow Wilson D Magnolia 3 Baltimore 1 and 2 |

| Monday, February 1 | (continued) | Location |
|--------------------|--|---|
| | Breakout Sessions 1 continued <i>Dynamically Scheduled Sessions</i> <ul style="list-style-type: none"> ○ Leveraging Undergrads to Teach/Assist in G6-12 (Discussion) <ul style="list-style-type: none"> ○ Terry Harvey (<i>University of Delaware</i>) ○ GenCyber: Free Cybersecurity Camps for K-12 Teachers (Discussion) <ul style="list-style-type: none"> ○ Kara Nance (<i>University of Alaska Fairbanks</i>) | Magnolia 1 Magnolia 2 |
| 12:35 pm – 1:25 pm | Lunch | Cherry Blossom Lobby |
| 1:25 pm – 1:50 pm | The New Solicitation Jan Cuny (<i>NSF</i>) Arlene de Strulle (<i>NSF</i>) Kamau Bobb (<i>NSF</i>) | Cherry Blossom Ballroom |
| 1:50 pm – 1:55 pm | Bootstraps Flashtalk Emmanuel Schanzer (<i>Bootstrap</i>) | Cherry Blossom Ballroom |
| 1:55 pm – 2:00 pm | <i>Walk to breakout sessions</i> | |
| 2:10 pm – 3:25 pm | Breakout Sessions 2 <i>Pre-Planned Sessions</i> <ul style="list-style-type: none"> ○ The K-12 CS Framework and the CSTA K-12 CS Standards: Defining Concepts, Practices and Standards (Presentation and Discussion) <ul style="list-style-type: none"> ○ Irene Lee (<i>MIT Scheller Education</i>), Mark Nelson (<i>CSTA</i>), and Pat Yongpradit (<i>code.org</i>) ○ Introducing CS to K-12 Schools (Discussion) <ul style="list-style-type: none"> ○ Lisa Milenkovic (<i>Broward County Public Schools</i>) and Amy Cassata (<i>University of Chicago</i>) ○ Programming Languages and Learning: A Closer Look at the Data (Presentation and Discussion) <ul style="list-style-type: none"> ○ Andreas Stefik (<i>University of Nevada</i>) ○ Finding a Virtual Home in the CS 10K Community of Practice (Presentation and Discussion) <ul style="list-style-type: none"> ○ Melissa Rasberry (<i>American Institutes for Research</i>) ○ Native American Students in Computing (Discussion) <ul style="list-style-type: none"> ○ Ruthe Farmer (<i>NCWIT</i>) and Cynthia Higgins (<i>Utah State Univ</i>) ○ I-Corps-L (CLOSED) <ul style="list-style-type: none"> ○ Dean Chang (<i>University of Maryland – College Park</i>) ○ Integrating Computational Education into Preservice Teacher Development Programs (Discussion) <ul style="list-style-type: none"> ○ Mark Guzdial (<i>Georgia Tech</i>) | Cherry Blossom Ballroom Woodrow Wilson B Woodrow Wilson C Baltimore 4+5 Magnolia 1 Magnolia 3 Baltimore 1 and 2 |

| Monday, February 1 | (continued) | Location |
|--------------------|---|--|
| | Breakout Sessions 2 continued <i>Dynamically Scheduled Sessions</i> <ul style="list-style-type: none"> ○ Integrating Computation into Other STEM Disciplines (Discussion) <ul style="list-style-type: none"> ○ Cheryl Farmer (<i>Auburn University</i>) ○ Teacher Training and Recruiting (Discussion) <ul style="list-style-type: none"> ○ Shoa Hassoun (<i>Tufts University</i>) ○ Community College Computer Science (Discussion) <ul style="list-style-type: none"> ○ Jill Denner (<i>ETR</i>) ○ CAHSA Meeting (CLOSED) <ul style="list-style-type: none"> ○ Ann Gates (<i>University of Texas, El Paso</i>) ○ Working with the Department of Education (Discussion) <ul style="list-style-type: none"> ○ Melissa Moritz (<i>Department of Education</i>) | Magnolia 2 Annapolis 1 Annapolis 2 Baltimore 3 Annapolis 3 |
| 3:30 pm – 4:30 pm | Call with OSTP about CS for All | Cherry Blossom Ballroom |
| 4:40 pm – 5:40 pm | Speed Dating: Interdisciplinary Conversations | Eastern Shore |
| 5:45 pm – 6:45 pm | Catalyst: The Power of Educators to Change Students' Lives Brooke Haycock (<i>The Education Trust</i>) | Cherry Blossom Ballroom |
| 6:45 pm – 7:45 pm | Dinner | Pienza Restaurant |
| 8:00 pm – 8:30 pm | Movie – “The Computers: The Remarkable Story of the ENIAC Programmers” Followed by discussion with Kathy Kleiman (<i>ENIAC Programmers Project</i>) | Cherry Blossom Ballroom |

| Tuesday, February 2 | | Location |
|---------------------|---|--|
| 7:00 am – 7:45 am | Breakfast | Cherry Blossom Lobby |
| 7:45 am – 8:00 am | Morning Welcome, Announcements, and the AccessComputing Capacity Building Award | Cherry Blossom Ballroom |
| 8:00 am – 9:15 am | Special Presentation Ed Felten, White House Deputy Chief Technology Officer | Cherry Blossom Ballroom |
| 9:15 am – 9:20 am | <i>Walk to Breakouts</i> | |
| 9:20 am – 10:35 am | Breakout Sessions 3 <i>Pre-Planned Sessions</i> <ul style="list-style-type: none"> ○ Recruiting and Retaining Women (Discussion) <ul style="list-style-type: none"> ○ Lucy Sanders and Beth Quinn (<i>NCWIT</i>) ○ Existing ECS Projects Community Meeting (CLOSED) <ul style="list-style-type: none"> ○ Joanna Goode (<i>Univ. of Oregon</i>) and Gail Chapman (<i>UCLA</i>) ○ Digital Learning Models: Learning About Technology with Technology (Discussion) <ul style="list-style-type: none"> ○ Chris Hoadley (<i>NSF</i>) | Baltimore 3 Woodrow Wilson C Baltimore 4+5 |

| Tuesday, February 2 | continued | Location |
|---------------------|--|--|
| | <p>Breakout Sessions 3 continued <i>Pre-Planned Sessions</i></p> <ul style="list-style-type: none"> ○ Creativity, Critical-thinking and Problem Solving: What does Computation Thinking Look Like in Elementary School? <ul style="list-style-type: none"> ○ Lisa Milenkovic (<i>Broward County Public Schools</i>) <p><i>Dynamically Scheduled Sessions</i></p> <ul style="list-style-type: none"> ○ Incentivizing Higher Ed CS Faculty to Utilize Culturally Responsive Pedagogy in Teaching CS Courses (Discussion) <ul style="list-style-type: none"> ○ Valerie Taylor (<i>Texas A&M University</i>) ○ CS Teacher Certification Programs | <p>Baltimore 1+2</p> <p>Magnolia 1</p> <p>Annapolis 1</p> |
| 10:35 am – 10:50 am | Break | Cherry Blossom Lobby |
| 10:50 am – 12:05 pm | <p>Breakout Sessions 4 <i>Pre-Planned Sessions</i></p> <ul style="list-style-type: none"> ○ Computing Education at the Undergraduate Level (Discussion) <ul style="list-style-type: none"> ○ Jeff Forbes (<i>Duke</i>) ○ STEM+C Collaboration Network with MSPnet (DEMO + input) (Presentation) <ul style="list-style-type: none"> ○ Joni Falk (<i>Georgia Tech</i>) ○ CS10K Common Data Collection (CS10K PIs and Evaluators ONLY) <ul style="list-style-type: none"> ○ Tom McKlin and Rebecca Zarch (<i>SageFox</i>) ○ iAAMCS PI Meeting (CLOSED) <ul style="list-style-type: none"> ○ Kamau Bobb (<i>NSF</i>) <p><i>Dynamically Scheduled Sessions</i></p> <ul style="list-style-type: none"> ○ Scaling and Sustaining CS Professional Development (Discussion) <ul style="list-style-type: none"> ○ Carol Fletcher (<i>University of Texas at Austin</i>) | <p>Cherry Blossom Ballroom</p> <p>Woodrow Wilson C</p> <p>Baltimore 4+5</p> <p>Magnolia 2</p> <p>Annapolis 1</p> |
| 12:05 pm – 12:45 pm | Lunch | Cherry Blossom Lobby |
| 12:45 pm – 1:30 pm | <p>Building a More Equitable Ecosystem for Computer Science Education: The Influence and Promise of the Alliances Leslie Goodyear (<i>EDC</i>), Kamau Bobb (<i>NSF</i>), and Jan Cuny (<i>NSF</i>)</p> | Cherry Blossom Ballroom |
| 1:30 pm – 1:35 pm | <i>Walk to Breakouts</i> | |
| 1:35 pm – 2:50 pm | <p>Breakout Sessions 5 <i>Pre-Planned Sessions</i></p> <ul style="list-style-type: none"> ○ PIXAR INTERACTIVE: Differentiated design approaches for engaging learners in problem decomposition: Lessons learned from The Science Behind Pixar (Presentation and Discussion) <ul style="list-style-type: none"> ○ Clara Cahill and Alana Parkes (<i>Museum of Science</i>) ○ BP Research / RESPECT Meeting (Presentation and Discussion) <ul style="list-style-type: none"> ○ Kamau Bobb (<i>NSF</i>) and Quincy Brown (<i>AAAS Fellow, NSF</i>) | <p>Cherry Blossom Ballroom</p> <p>Woodrow Wilson C</p> |

| Tuesday, February 2 | continued | Location |
|---------------------|---|---|
| 1:35 pm – 2:50 pm | <p>Breakout Sessions 5 continued</p> <p><i>Pre-Planned Sessions</i></p> <ul style="list-style-type: none"> ○ A Deeper Dive into CS10K Data and Evaluation (Presentation and Discussion) <ul style="list-style-type: none"> ○ Tom McKlin and Rebecca Zarch (<i>SageFox</i>) ○ Peer & Near Peer Led Outreach Programs (Discussion) <ul style="list-style-type: none"> ○ Ruthe Farmer (<i>NCWIT</i>) ○ Track 1 STEM+C Wrap up with PIs (Discussion) <ul style="list-style-type: none"> ○ Arlene de Strulle (<i>NSF</i>) | <p>Baltimore 4+5</p> <p>Magnolia 1</p> <p>Annapolis 2</p> |
| 2:50 pm – 3:00 pm | Closing Session | Cherry Blossom Ballroom |