



# 2022

# CRA CONFERENCE @ SNOWBIRD

JULY 19-21 • SNOWBIRD, UTAH



## Conference theme: **Socially Responsible Computing Research**

Sessions will be broken down into four tracks which are color coded below:

- **Track 1: Computing Departments** – Undergraduate and graduate interest in computer science has skyrocketed. This track includes sessions that will explore how to support high-quality, diverse research and teaching in the context of booming enrollments.
- **Track 2: Computing Education** – This track looks at areas that are emerging as an important part of the computing research curriculum, including ethics, security and privacy, and data science.
- **Track 3: Computing in Industry** – As computing grows ubiquitous, computing research is increasingly important to industry. This track will cover how research is conducted in industry and the partnership between industry and academia.
- **Track 4: Computing for Good** – This track will explore the ways that computing research can help create a better future by supporting social justice, removing bias, and driving environmental sustainability

## Monday, July 18

**8 AM - 3:00 PM** Early Registration (*Lobby Level, Top of the Escalator*)

## Tuesday, July 19

**12:00 - 4:30 PM** Inaugural CRA-Industry Meeting (*Primrose A & B*)

**1:00 - 2:30 PM** How and Why to Create a Departmental BPC Plan (*Ballroom 3*)

**2:00 - 7:00 PM** Registration (*Lobby Level, Top of the Escalator*)

**3:00 - 5:45 PM** New Chairs Workshop (*Superior A&B*)

Co-chairs: Carla Brodley (Northeastern University) and Katie Siek (Indiana University)

Speakers: Ken Anderson (University of Colorado - Boulder), Michael Franklin (University of Chicago), Don Fussell (University of Texas - Austin), Alan Mislove (Northeastern University), Ayanna Howard (Ohio State), Alex Wolf (University of California Santa Cruz), Jamie Payton (Temple University), Anind Dey (University of Washington), and Sudeep Sarkar (University of South Florida)

**6:00 - 7:00 PM** Welcome Reception (*Magpie & Golden Cliff Terrace (Lower Level)*)

**7:00 - 9:00 PM** Dinner/Celebration (*Conference Center Terrace (Tent)*)

- Welcome from the Conference Co-Chairs
- 50th Anniversary of the CRA
- Celebration of Andrew Bernat
- Networking





# 2022

# CRA CONFERENCE @ SNOWBIRD

JULY 19-21 • SNOWBIRD, UTAH



## Wednesday, July 20

**7:00 AM - 6:30 PM** **Registration** (*Lobby Level, Top of the Escalator*)

**7:00 - 8:30 AM** **Breakfast** *Conference Center Terrace (Tent)*

**8:30 - 10:00 AM** **CRA: Looking Forward** (*Ballroom and Lobby*)  
Co-chairs: **Ellen Zegura** (Georgia Tech), **Tracy Camp** (CRA), **Nancy Amato** (University of Illinois),  
and **Andrew Bernat** (CRA Emeritus ED)

**10:00 - 10:30 AM** **Break** (*Ballroom Lobby*)

**10:30 AM - 12:00 PM** **The Trusting of Intelligent Machines: How AI Influences Human Behavior** (*Ballroom and Lobby*)  
Chair: **Penny Rheingans** (University of Maine)  
Speaker: **Ayanna Howard** (The Ohio State University)

**12:00 - 1:30 PM** **Lunch** [*Conference Center Terrace (Tent)*]

### Parallel Tracks

**1:30 - 3:00 PM** **Track 1: Booming Enrollments While Broadening Participation in Computing** (*Ballroom 1*)  
Co-chairs: **Nancy Amato** (University of Illinois) and **Carla Brodley** (Northeastern University)  
Moderator: **Nancy Amato** (University of Illinois)  
Speakers: **Christine Alvarado** (UC San Diego), **Carla Brodley** (Northeastern University),  
and **Craig Partridge** (Colorado State University)

**Track 2: Incorporating Ethics into Computer Science Education** (*Ballroom 2*)  
Co-chairs: **Kathy Pham** (Mozilla/Harvard) and **Bobby Schnabel** (University of Colorado, Boulder)  
Speakers: **Casey Fiesler** (University of Colorado, Boulder), **Helena Mentis** (University of Maryland Baltimore County),  
**Kathy Pham** (Mozilla/Harvard), **Atri Rudra** (SUNY Buffalo), and **Bobby Schnabel** (University of Colorado, Boulder)

**Track 3: Computing Research in Industry** (*Ballroom 3*)  
Chair/Moderator: **Jaime Teevan** (Microsoft)  
Speakers: **Susan Dumais** (Microsoft), **Fernando Pereira** (Google), **Lisa Amini** (IBM), and **Kristin Lauter** (Meta)

**Track 4: Climate-Smart Computing to Address a Grand Challenge Facing Our Changing Planet** (*Superior A&B*)  
Co-chairs: **Kate Larson** (University of Waterloo) and **Shashi Shekhar** (University of Minnesota)  
Speakers: **Andrew A. Chien** (University of Chicago), **Vandana Janeja** (University of Maryland, Baltimore County),  
**Vipin Kumar** (University of Minnesota), and **Ran Libeskind-Hadas** (Claremont McKenna College)

**3:00 - 3:30 PM** **Break** (*Ballroom Lobby*)

**3:30 - 6:30 PM** **Networking Activities:**  
**Guided Hikes**  
**Lightning Talks with MSI Leaders** (*Ballroom 3*)  
Computing leaders from Minority Serving Institutions (MSIs) will each give a short presentation about their institution, research portfolio, and areas for collaborations/partnerships.

**6:30 - 9:00 PM** **Dinner** [*Conference Center Terrace (Tent)*]

**Reboot!**  
Organizer: CRA's Computing Community Consortium  
Speakers: **Sujata Banerjee** (VMWare), **Nadya Bliss** (Arizona State University), **Bill Gropp** (University of Illinois),  
and **Dan Lopresti** (Lehigh University)  
Moderator: **Liz Bradley** (University of Colorado Boulder)





# 2022

# CRA CONFERENCE @ SNOWBIRD

JULY 19-21 • SNOWBIRD, UTAH



## Thursday, July 21

**7:00 AM - 6:30 PM** **Registration** (*Lobby Level, Top of the Escalator*)

**7:00 - 8:30 AM** **Breakfast** (*Conference Center Terrace (Tent)*)

**8:30 - 9:30 AM** **Reports from the Computing Research Community** (*Ballroom and Lobby*)

Speakers: **Amruth Kumar** (Ramapo College of New Jersey), **Rajendra Raj** (Rochester Institute of Technology), **Kristen Shinohara** (Rochester Institute of Technology), **Elizabeth Mynatt** (Northeastern University), **Amanda Stent** (Colby College), **Liz Bradley** (University of Colorado), **Jaime Teevan** (Microsoft), and **Christine Alvarado** (University of California, San Diego)

**9:30 - 10:00 AM** **Awards Presentations**

Distinguished Service, A. Nico Habermann, Service to CRA, and CRA-E Faculty Mentoring

**10:00 - 10:30 AM** **Break** (*Ballroom Lobby*)

### Parallel Tracks

**10:30 AM - 12:00 PM** **Track 1: Development of Teaching Faculty** (*Wasatch*)

Chair/Moderator: **Ran Libeskind-Hadas** (Claremont McKenna College)

Speakers: **Christine Alvarado** (UC San Diego), **Nancy Amato** (University of Illinois), **Dan Grossman** (University of Washington), and **Susan Rodger** (Duke University)

**Track 2: Security and Privacy Education** (*Superior A & B*)

Chair/Moderator: **Lorrie Cranor** (Carnegie Mellon University)

Speakers: **Patrick McDaniel** (Pennsylvania State University), **Bo Yuan** (Rochester Institute of Technology), **Matt Bishop** (University of California, Davis), and **Michael Bailey** (Georgia Tech)

**Track 3: Industry-Academia Partnerships** (*Primrose A*)

Chair/Moderator: **Divesh Srivastava** (AT&T)

Speakers: **Elizabeth Mynatt** (Northeastern University), **Chris Ramming** (VMWare), **Jennifer Rexford** (Princeton University), **Vivek Sarkar** (Georgia Tech), and **Benjamin Zorn** (Microsoft)

**Track 4: From Fairness to Responsibility: Actioning and Advancing the Discussion around "Algorithmic bias"** (*Magpie*)

Chair/Moderator: **Brent Hecht** (Microsoft)

Speakers: **Miranda Bogen** (Meta) and **Maria De-Arteaga** (UT Austin)

**12:00 - 1:30 PM** **Lunch** (*Conference Center Terrace (Tent)*)

### Parallel Tracks

**1:30 - 3:00 PM** **Track 1: Undergraduate Research and Booming Enrollments: Who Wins** (*Wasatch*)

Co-chairs: **Christine Alvarado** (UC San Diego) and **Kelly Shaw** (Williams College)

Moderator: **Kelly Shaw** (Williams College)

Speakers: **Edward Coyle** (Georgia Tech), **Sarah Heckman** (North Carolina State), **Joe Hummel** (University of Illinois, Chicago), and **Brandon Fain** (Duke University)

**Track 2: Data Science in Computer Science Education** (*Superior A & B*)

Chair/Moderator: **David Ebert** (University of Oklahoma)

Speakers: **Michael Franklin** (University of Chicago), **Magda Balazinska** (University of Washington), and **Atul Prakash** (University of Michigan)

**Track 3: Techlash in Context: What Should CS Departments and Tech Companies Do?** (*Primrose A*)

Chair/Moderator: **Vivek Sarkar** (Georgia Tech)

Speakers: **Lorrie Cranor** (Carnegie Mellon University), **Alfred Spector** (Google), **Moshe Vardi** (Rice University), and **Nirit Weiss-Blatt** (Author of "The Techlash and Tech Crisis Communication")

**Track 4: Addressing the Challenge of Mis- and Disinformation, Online and Beyond** (*Magpie*)

Chair/Moderator: **Kate Starbird** (University of Washington)

Speakers: **Amy Zhang** (University of Washington), **Laura Edelson** (NYU), and **Yasmin Green** (Jigsaw)

**3:00 - 3:30 PM** **Break** (*Ballroom Lobby*)

**3:30 - 5:00 PM** **Making a Federal Case for Computing** (*Ballroom and Lobby*)

Chair: **Tracy Camp** (CRA)

Speaker: **Peter Harsha** (CRA)

**5:00 - 6:30 PM** **Break**

**6:30 - 7:30 PM** **Dinner** (*Conference Center Terrace (Tent)*)