

# **2023 IEEE International Conference on Pervasive Computing and Communications (PerCom 2023)**

**Atlanta, Georgia, USA  
13-17 March 2023**



**IEEE Catalog Number: CFP23PCO-POD  
ISBN: 978-1-6654-5379-0**

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IEEE Catalog Number:	CFP23PCO-POD
ISBN (Print-On-Demand):	978-1-6654-5379-0
ISBN (Online):	978-1-6654-5378-3
ISSN:	2474-2503

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# Technical Program

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**PhD Forum**

**Tuesday, March 14 8:00 - 8:45**

**Registration**

**Tuesday, March 14 8:45 - 9:00**

**Opening**

**Tuesday, March 14 9:00 - 10:15**

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AI for Scientific Discovery and a Sustainable Future

Carla Gomes

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Carla Gomes (Cornell University, USA)

**Tuesday, March 14 10:15 - 10:30**

**Demo Madness**

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**Registration**

**Thursday, March 16 8:30 - 10:30**

**Industry Track**

**Thursday, March 16 11:00 - 11:30**

**Work In Progress Madness 2**

**Thursday, March 16 11:30 - 1:00**

**Panel: Sustainability in Computing**

Moderators: Gurdip Singh (George Mason University, USA) Gregory Abowd (Northeastern University, USA) Panelists: Andrew Chien (University of Chicago, USA) Alex Jones (National Science Foundation, USA) Ravinder Dahiya (Northeastern University, USA) Josiah Hester (Georgia Tech, USA)

Panel description: The growing use of computing and proliferation of computing devices requires a holistic focus on sustainability as the environmental impacts of computing technologies go beyond their energy consumption. Environmental impacts span all stages of the lifecycle - manufacturing, operation, and disposal. A sustainability mindset must permeate all organizations involved in design, manufacturing, operation, and disposal/recycling of computational devices. This panel will discuss current and new research on sustainability in computing that spans the full lifecycle, all layers of the computing stack and across the computing spectrum from edge to cloud. The panel will also discuss potential cross-disciplinary approaches to sustainable computing and new notions and metrics to quantify sustainability.

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Gurdip Singh (NSF and George Mason University, USA); Gregory D. Abowd (Northeastern University, USA); Andrew A. Chien (University of Chicago, USA); Alex Jones (NSF, USA); Bashima Islam (Worcester Polytechnic Institute, USA); Ravinder Dahiya (Northeastern University, USA); Josiah Hester (Georgia Institute of Technology, USA)

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**Closing**

**Thursday, March 16 6:30 - 9:00**

**Social Banquet & Awards Ceremony**