Distinguished Lectures
Spring 2023

Dr. Margaret Martonosi

Assistant Director for Computer and information Science and Engineering (CISE), National Science Foundation

Hugh Trumbull Adams '35 Professor of Computer Science Princeton University

NSF CISE Research Directions and Opportunities

Thursday, April 13, 2023
Reception with Refreshments: 4:00 p.m.
Lecture: 4:30 - 5:30 p.m.
Computer Science Bldg 130

NSF Mini Workshop on Proposal Writing

Friday, April 14, 2023
Lecture: 9:30-11:30 a.m.
Global Leadership Council Room 220
Rockwell Hall West

Sponsored by
Colorado State University's Information Science and Technology Center (ISTeC)

In conjunction with the Department of Computer Science and Department of Electrical and Computer Engineering Seminar Series

Abstracts

NSF CISE Research Directions and Opportunities

The National Science Foundation (NSF) supports a majority of US academic research in the Computer and Information Science and Engineering (CISE) topic areas. Since February, 2020, Dr. Margaret Martonosi serves as NSF CISE AD, stewarding the CISE directorate's $1B annual budget on behalf of research, education, workforce and infrastructure funding in CISE topic areas and for science as a whole. In her role at CISE, Dr. Martonosi works to advocate for and set the direction of research funding across the important topic areas comprised within the CISE space. Past CISE research funding has planted the seeds that have germinated into major scientific, economic, and societal impacts including advances in artificial intelligence, cloud computing, search, and fundamentals of computational theory and computer hardware and systems design. The directorate has also helped to catalyze transformative work on CISE education and workforce issues, including broad efforts on K-12 and undergraduate computer science education to move towards the goal of ensuring effective and accessible CISE education for all students. In addition, investments through the Office of Advanced Cyberinfrastructure positioned within CISE have supported advanced computing systems and services, which have in turn enabled breakthroughs in all areas of science and engineering. Dr. Martonosi is conducting a series of "virtual campus visits" to engage in conversation about a vision for CISE research going forward, and to field Q&A from the CISE community. Please join us for this highly-interactive session and please bring your input and questions.

NSF Mini Workshop on Proposal Writing

In this workshop, Dr. Martonosi will discuss different aspects of writing a proposal for submission to NSF as well as the NSG panel review process. While it is extremely difficult to say definitively if a proposal would be funded, there are certain things you can do to make your proposal competitive. Please join us in this workshop to learn from Dr. Martonosi what makes a winning proposal.

Speaker Biography

Margaret Martonosi is the US National Science Foundation's (NSF) Assistant Director for Computer and information Science and Engineering (CISE). With an annual budget of more than $1B, the CISE directorate at NSF has the mission to uphold the Nation's leadership in scientific discovery and engineering innovation through its support of fundamental research and education in computer and information science and engineering as well as transformative advances in research cyberinfrastructure. While at NSF, Dr. Martonosi is on leave from Princeton University where she is the Hugh Trumbull Adams '35 Professor of Computer Science. Dr. Martonosi's research interests are in computer architecture and hardware-software interface issues in both classical and quantum computing systems. Dr. Martonosi is a member of the National Academy of Engineering and the American Academy of Arts and Sciences. She is a Fellow of the Association for Computing Machinery (ACM) and the Institute of Electrical and Electronics Engineers (IEEE).

To arrange a meeting with the speaker, please contact Prof. Indrajit Ray, Indrajit.Ray@ColoState.edu.