



Directorate for Computer and Information Science and Engineering (CISE)

Sorin Draghici, Ph.D.

NSF Program Directors

III Cluster

Division of Information and Intelligent Systems (IIS)

Computer and Information Science and Engineering (CISE)

CISE Organization and Core Programs

Katie Antypas
Office Director



Amy Walton
Deputy Office Director



Office of Advanced Cyber Infrastructure (OAC)
*Data/Software;
Leadership and Advanced Computing;
Networking/Cybersecurity;
Learning and Workforce*

Computing & Communication Foundations (CCF)

*Algorithmic Foundations;
Communications & Information Foundations;
Software & Hardware Foundations;
Foundations of Emerging Technologies*

Irina Dolinskaya
Acting Division Director



Siddiq Qidwai
Acting Deputy Division Director



Ellen Zegura
Division Director



Behrooz Shirazi
Deputy Division Director

Computer & Network Systems (CNS)
*Computer and Network Systems;
Education and Workforce Development*

Information & Intelligent Systems

*Human-Centered Computing;
Information Integration and Informatics;
Robust Intelligence*



Michael Littman
Division Director



Wendy Nilsen
Deputy Division Director

Dilma Da Silva,
Acting Assistant Director



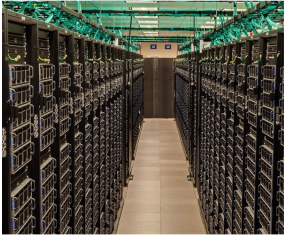
CISE Leadership



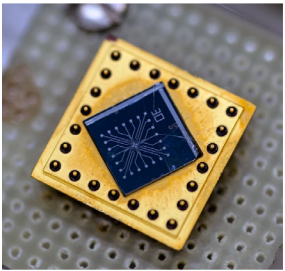
Joydip Kundu,
Deputy Assistant Director



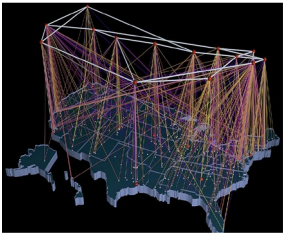
CISE Divisions



Office of Advanced Cyberinfrastructure supports and coordinates the development, acquisition, and provision of state-of-the-art cyberinfrastructure resources, tools and services essential to advancing science and engineering.



Computing and Communication Foundations advances computing and communication theory, algorithms, for computer and computational sciences and architecture and design of computers and software.



Computer and Network Systems invents new computing and networking technologies and finds new ways to make use of current technologies.



Information and Intelligent Systems studies the interrelated roles of people, computers, and information to increase our ability to understand data, as well as to mimic the hallmarks of intelligence in computational systems.



CISE Funding Opportunities

OTHER CISE PROGRAMS

- CISE-MSI Research Expansion
- Expeditions in Computing
- Principles and Practices of Scalable Systems
- Formal Methods in the Field
- Designing Accountable Software Systems
- Big Data Hubs (community resource)

MULTI-DIRECTORATE PROGRAMS LED BY CISE

- Secure and Trustworthy Cyberspace
- Cyber-physical Systems
- National AI Research Institutes
- Smart and Connected Health
- Smart and Connected Communities
- Civic Innovation Challenge (CIVIC)
- National Robotics Initiative
- Fairness in AI with Amazon
- Research on Emerging Technologies for Teaching and Learning
- Collaborative Research on Computational Neuroscience

EARLY CAREER

- CAREER
- CISE Research Initiation Initiative (CRII)

PROGRAMS LED BY OTHER DIRECTORATES OF INTEREST TO CISE

- Designing Materials to Revolutionize and Engineer Our Future
- Foundational Robotics
- Future manufacturing
- Sustainable Regional Systems
- Neuronal and Cognitive Systems
- Science and Technology Centers (STCs)
- Engineering Research Centers (ERCs)

EDUCATION PROGRAMS

- Computer Science for All
- Computing in Undergraduate Education
- Broadening Participation in Computing Alliances

INFRASTRUCTURE

- Major Research Instrumentation
- Mid-scale Research Infrastructure 1 and 2
- CISE Community Research Infrastructure

NSF BIG IDEAS

- Future of Work
- Harnessing the Data Revolution
- Data Science Corps
- Quantum Leap
- Quantum Leap Facility Fellows

ENTREPRENEURSHIP AND TRANSLATION

- Convergence Accelerator
- I-Corps, SBIR/STTR
- Industry/University Cooperative Research Centers (IUCRC)
- CISE InTrans supplements
- CISE Transition-to-Practice Opportunities

