Faculty Research Highlights

Supported by a $1.9M grant from the National Institutes of Health (NIH), researchers from Kaiser Permanente and Bistra Dilkina are using machine learning to better understand the risks of early substance use in youth populations.

A team of researchers led by Maja Matarić was awarded a National Science Foundation (NSF) Convergence Accelerator grant to create inclusive coding technology for people with disabilities.

Lars Lindemann and Souti Chattopadhyay are building trustworthy AI-based code generation, funded by the USC + Amazon Center for Secure and Trusted Machine Learning.

Jyo Deshmukh received a University Research Program grant from Ford Motors for monitoring learning-enabled components in cyber-physical systems.

Recent Faculty Accolades

Maja Matarić
American Academy of Arts and Sciences

Nenad Medvidović
University of California, Irvine, Information and Computer Sciences Hall of Fame

Xiang Ren
Okawa Foundation Research Grant Award

Vatsal Sharan
NSF CAREER Award, “Computational Foundations of Modern Machine Learning”

Swabha Swayamdipta
Intel Rising Star Award, Allen Institute for AI Young Investigators Award

By The Numbers

FACULTY AND RESEARCH

$34M+ in research expenditures*

$19M+ in research proposals requested

93 full-time faculty

50 full-time tenure-track faculty

21 new full-time faculty hired since 2022

6 members of the National Academy of Engineering

2 members of the National Academy of Sciences

1 Turing Award Winner

ENROLLMENT

1,800 undergraduate students

3,600 master’s students

400 doctoral students

40% of undergraduate students identify as female

TEN NEW TENURE-TRACK FACULTY

Erdem Byik
Assistant Professor
Robot learning, human-robot interaction, multi-agent systems

Ibrahim Sabek
Assistant Professor
Machine learning for data-intensive systems

Daniel Seita
Assistant Professor
Robotics, computer vision, machine learning

Yue Wang
Assistant Professor
Computer vision, computer graphics, robotics

Jieyu Zhao
Assistant Professor
Machine learning, natural language processing

Yue Zhao
Assistant Professor
Machine learning and data mining

*Includes expenditures incurred by computer science faculty at the Information Sciences Institute and the Institute for Creative Technologies