

2024 HIGHLIGHTS

A Revolutionary Space

This year, USC celebrated the ribbon-cutting ceremony for the new **Dr. Allen and Charlotte Ginsburg Human-Centered Computation Hall**. The eco-friendly, 116,000-square-foot facility is a key component of USC President Carol Folt's **Frontiers of Computing**, a groundbreaking \$1 billion dollar initiative to fast-track ethical developments in advanced computing. Additionally, the department joined the newly established **School of Advanced Computing**, part of the Viterbi School of Engineering.



USC'S 1ST LEED
PLATINUM CERTIFIED
BUILDING



500,000 HOURS
OF LABOR



12,000,000 POUNDS
OF CONCRETE



145,000 BRICKS



"This remarkable building serves as a nexus for computer science research and collaboration across USC."

—PROFESSOR NENAD MEDVIDOVIĆ
CHAIR OF THE THOMAS LORD DEPARTMENT
OF COMPUTER SCIENCE

PIONEERING SOLUTIONS TO GLOBAL CHALLENGES



MENTAL HEALTH EPIDEMIC

With a \$1.2 million National Science Foundation (NSF) grant, researchers are designing a personalized socially assistive robot to enhance Cognitive Behavioral Therapy (CBT) engagement for college students with anxiety.



EXTREME WEATHER

Researchers are creating a novel optimization system to manage wildfire risks, aiming to balance the protection of endangered species, buildings, and important water sources.



BATTLING CANCER

USC researchers created an AI model that predicts ovarian cancer tumor responses to chemotherapy, offering personalized treatment recommendations and insights into resistant tumors.



LIVING BETTER

A new study is examining if ocean surfing therapy can reduce chronic pain by studying its impact on the brain, using virtual reality (VR) to replicate the experience and increase accessibility.



FIGHTING MALNUTRITION

USC researchers are leveraging AI to predict acute malnutrition among children in Kenya by analyzing past data and satellite imagery, aiming to enable earlier interventions and improve health outcomes.

BY THE NUMBERS

1,660

undergraduate students

3,502

master's students

429

doctoral students

96

full-time faculty

25

faculty hired since 2022

NEW FACULTY

SAI PRANEETH KARIMIREDDY

Assistant Professor
Data challenges in machine learning

MENGYUAN LI

Assistant Professor
System security, cloud security, confidential computing

CARTER SLOCUM

Lecturer
Virtual reality, augmented reality

MÁTÉ SZABÓ

Senior Lecturer
History and philosophy of logic and computing

RECOGNIZING FACULTY ACHIEVEMENTS

HEATHER CULBERTSON

Mass Robotics, Rising Star Award

RUISHAN LIU

Google Gemma Academic Program Award

MAJA MATARIĆ

ACM Athena Lecturer Award

STEFANOS NIKOLAIDIS

Okawa Foundation for Information and Telecommunications Research Grant

GAURAV SUKHATME

American Association for the Advancement of Science Fellow

WEIHANG WANG

N2Women Rising Stars in Networking and Communications

YUE WANG

Charles Lee Powell Foundation, Powell Faculty Research Award

YUE ZHAO

Google Cloud Research Innovator

WORLD-CLASS RESEARCH SINCE 1976

48 years

since the department was founded in 1976

\$41M+*

in research expenditures

60

new faculty hires planned for the School of Advanced Computing

\$121M

R&D expenditure for computer and information science at USC

\$50M

naming gift donated by the Lord Foundation of California

**Includes expenditures from the Information Sciences Institute and the Institute for Creative Technologies*