DEPARTMENT OF
Computer Science and Engineering
Shaping the Digital World of the Future

UC San Diego
JACOBS SCHOOL OF ENGINEERING

NEW FACULTY

Nadia Heninger

Niema Moshiri

Pat Pannuto

Jingbo Shang

Gerald Soosai Raj

Yiying Zhang

CSE BY THE NUMBERS

74 Faculty Members

9,957 Alumni

#9 in publications in top computer science venues, according to csrankings.org

$31M TOTAL RESEARCH EXPENDITURES

FACULTY AWARDS & HONORS

Our faculty members were recognized for their innovative research. Award and honor highlights from 2018-2019 are below. For a full list, see cse.ucsd.edu/faculty-research/faculty-awards.

Andrew B. Kahng
Ho-Am Prize
for Engineering

Mihir Bellare
Levchin Prize

Hadi Esmaeilzadeh
IEEE TCCA Young
Computer Architect Award

Ravi Ramamoorthi
ACM SIGGRAPH
Academy

1 IEEE W. Wallace McDowell Award • 1 AFOSR Young Investigator Award • 1 new IEEE Fellow • 1 new ACM Fellow • 1 new ISCB Fellow • 1 IACR Fellow • 2 new NSF CAREER Awards • 2 new AAAS Fellows • 3 Test of Time Papers

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EXPANDING CSE'S RESEARCH INNOVATION & IMPACT

Catching Gas Station Credit Card Skimmers
Scientists have developed algorithms and a new platform, called Bluetana, that more accurately detect card skimmers' Bluetooth signatures, helping inspectors find fraud and protecting consumers.

Healthcare Meets Human-Centered Computing
Computer engineers develop technology to help providers detect neurodegenerative diseases, provide remote surgeries and generally improve care.

Smartfins Collect Ocean Data
Few people spend as much time in the ocean as surfers. CSE students are part of a collaborative team designing surfboard fins with sensors to collect oceanographic data.

CONTINUING CSE'S IMPACT

Celebration of Diversity
This inaugural event united CSE students, faculty and alumni as they discussed new ways to strengthen diversity in the field.

Engaging Alumni Events
More than 800 department alumni participated in recent events in California and across the U.S. that strengthen ties between our students, faculty and industry.

Research Open House
From robots that support healthy aging to technology to study archaeological sites virtually, CSE students showcased the many ways they are shaping the digital world of tomorrow.