COMPUTER SCIENCE & ENGINEERING

UNIVERSITY OF CALIFORNIA SAN DIEGO

UC San Diego

JACOBS SCHOOL OF ENGINEERING

NEW FACULTY

Imani Munyaka
Security and HCI

Mai ElSherief
NLP & Social Computing

CSE RESEARCH INNOVATION & IMPACT

SOUNDING AN ALARM: CARS ARE VULNERABLE TO HACKING

Ground-breaking research by CSE and UW scientists led to papers that opened up a new area of cybersecurity research and served as a wake-up call for the automotive industry. This "dream team" has received the Golden Goose Award from the American Association for the Advancement of Science.

$20M TO CREATE AI RESEARCH INSTITUTE

Led by CSE and ECE Professor Andrew Kahng, the new AI Institute for Learning-enabled Optimization at Scale, or TILOS, is housed in UCSD's Halicioglu Data Science Institute, and is funded by the NSF. Eleven CSE and CSE-affiliated faculty are engaged with the Institute to pursue foundational breakthroughs at the nexus of artificial intelligence and optimization.

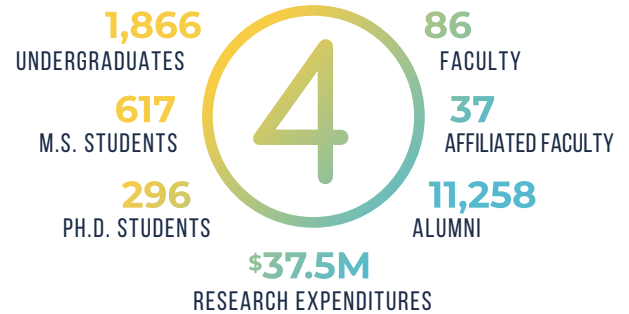### UNDERGRAD RESEARCHERS SHINE AT CRA AWARDS

Four standout undergrad engineers were recognized for significant contributions to research. Bonnie Huang and Raechel Walker were named finalists, while Kabir Nagrecha and McKenna Lewis received honorable mentions.

RESEARCHERS UNCOVER SPECTRE VULNERABILITY

CSE Professor Dean Tullsen and collaborators at UVA discovered a new line of attack that breaks current Spectre defenses, making billions of computers and other devices vulnerable to attack.

CSE BY THE NUMBERS

RANKED 4TH BY CSRANKINGS.ORG

4

1,866 UNDERGRADUATES

617 M.S. STUDENTS

296 PH.D. STUDENTS

86 FACULTY

37 AFFILIATED FACULTY

11,258 ALUMNI

$37.5M RESEARCH EXPENDITURES

FACULTY AWARDS & HONORS

Our faculty members in the 2020-2021 academic year once again received national recognition for contributions to their fields and society. Highlights include:

Stefan Savage
AAAS Fellow

Nuno Bandeira
Biemann Medal

Mihir Bellare
Test of Time (ICAR)

William Griswold
Test of Time (AITO)

Deian Stefan
NSF Career

Sicun Gao
NSF Career

Victor Vianu
Research "Gems" of PODS

For a complete list of CSE faculty awards, visit **cse.ucsd.edu/faculty-research/faculty-awards**

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