UC San Diego
JACOBS SCHOOL OF ENGINEERING

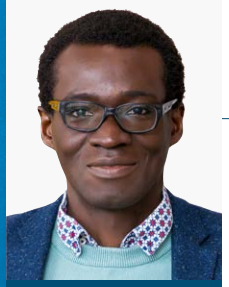
2025 NEW FACULTY

Our faculty power emerging industries.

Jacobs School faculty transform our students into the nation's innovation workforce — for the economy to come.

The new faculty we hired in 2025 are inspired by this critical work – and they are jumping right in.

We make **bold** possible.



KOLADE ADEBOWALE
Assistant Professor
Ph.D. Stanford

BIOENGINEERING

Adebowale's lab seeks to integrate engineering design principles to cancer immunology to enable rational engineering and prediction of effective, next-generation immune cell therapies. Adebowale strives to understand how the complex functionality of the immune system arises from mechanical cues and simple biophysical principles.

kadebowale@ucsd.edu

Previously: Postdoctoral Fellow Harvard University / Wyss Institute

ADAM FEIST
Assistant Professor
Ph.D. UC San Diego

BIOENGINEERING

Feist uses robotics, data and models to evolve and engineer microbes for biomanufacturing and biomedical discovery. His work builds smarter, faster ways to apply microbes in real-world industrial settings and to better understand their behavior.

afeist@ucsd.edu

Previously: Research Scientist, UC San Diego

YIORGOS MAKRIS
Professor
Ph.D. UC San Diego

ELECTRICAL & COMPUTER ENGINEERING

Makris' research focuses on applications of machine learning and formal methods in semiconductor design, manufacturing and testing. His work leverages domain-specific expertise, digital twin technology and the power of data to develop industrially-relevant solutions for optimizing quality, reliability, security and trust of integrated circuits.

ymakris@ucsd.edu

Previously: Professor, University of Texas at Dallas

MARC NIETHAMMER
Professor
Ph.D. Georgia Tech

COMPUTER SCIENCE & ENGINEERING

Niethammer's work brings together computer vision, medical image computing, and machine learning. He focuses on methods for image separation and registration, shape analysis, and spatio-temporal and multimodal models. Applications include analysis approaches for neuroscience and neurodevelopment, as well as image analysis in the context of stroke, pediatrics, cancer, osteoarthritis and lupus.

mniethammer@ucsd.edu

Previously: Professor, University of North Carolina at Chapel Hill

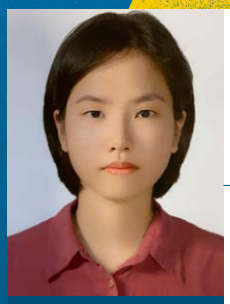
HOVAV SHACHAM
Professor
Ph.D. Stanford

COMPUTER SCIENCE & ENGINEERING

Shacham looks for security problems in deployed systems — voting machines, cars, network appliances, airport body scanners, web browsers, and more — to help improve their replacements. His work has driven industry investment priorities, informed public-policy debates, and been recognized with multiple "test-of-time" awards.

hoshacham@ucsd.edu

Previously: Professor, University of Texas at Austin



THUY-DUONG "JUNE" VUONG
Assistant Professor
Ph.D. Stanford

COMPUTER SCIENCE & ENGINEERING

Vuong focuses on theoretical computer science. Her current research interests are classical and quantum Markov chains, diffusion models, and other stochastic processes.

thvuong@ucsd.edu

Previously: Postdoctoral Researcher, UC Berkeley

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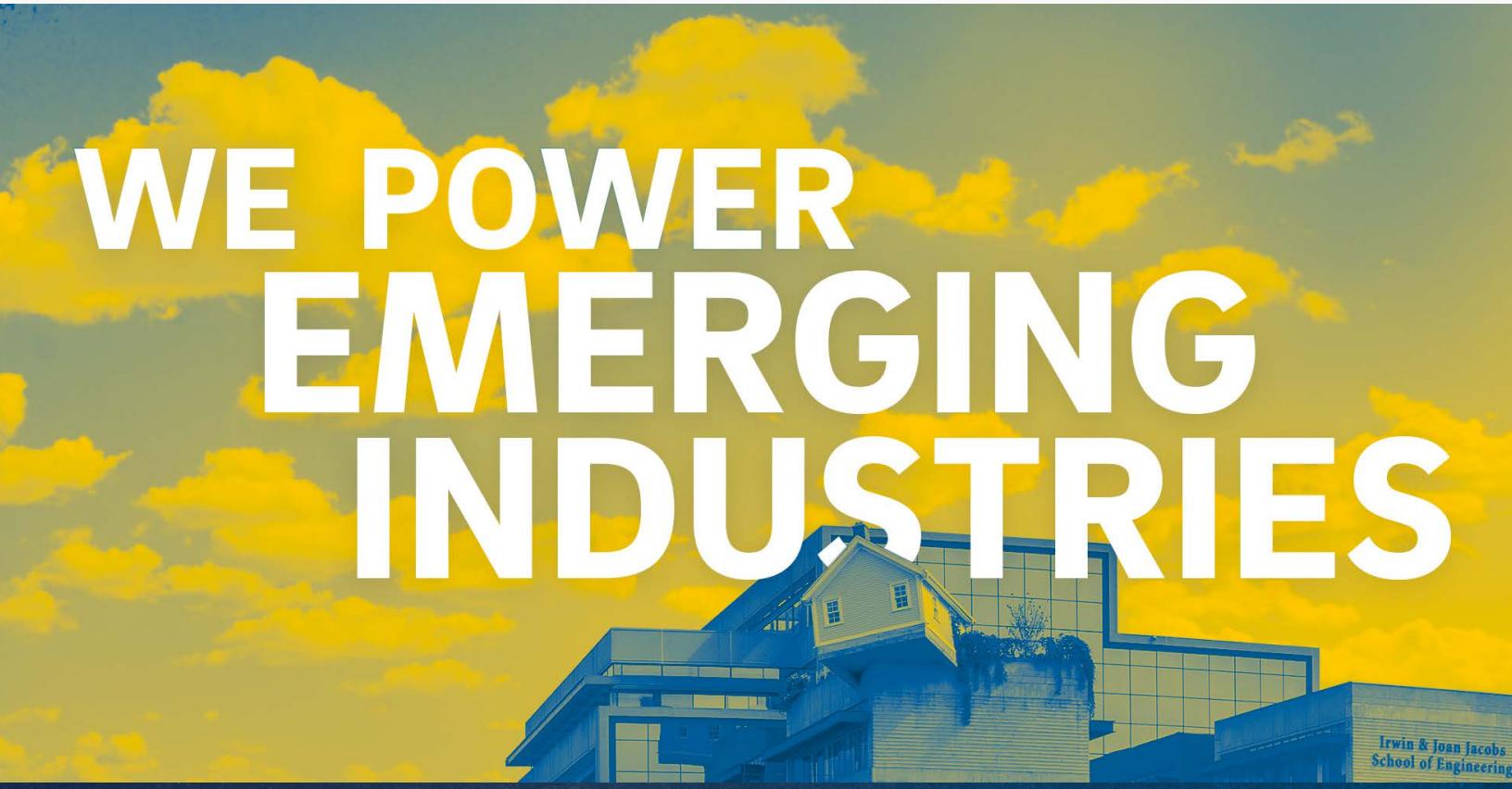

Each year at the Jacobs School, we educate nearly 10,000 engineering and computer science students. We train our students to become the nation's innovation workforce — for the economy to come.

We partner with industry, the public sector, foundations and philanthropists to power emerging industries that drive economic prosperity across the country – as well as national security and global competitiveness.

Fusion engineering, healthcare engineering, future biomanufacturing, AI tutors and emerging intelligence, and 3D semiconductors are some of the emerging industries we are powering forward as part of our mission to maximize positive impacts on society.

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