

ELECTRICAL ENGINEERING DEPARTMENT

FACULTY INTEREST LIST

2025/26 ACADEMIC YEAR

AGGARWAL, Anu Office: 20A-303 Phone: 805-7856-1833 Email: aaggar24@calpoly.edu	VLSI design Chip design Neuromorphic VLSI design VLSI design for machine learning
AHLGREN, Bill Office: 20A-309 Phone: 756-2309 Email: wahlgren@calpoly.edu	Electronic and Photonic Materials & Devices Epitaxial Crystal Growth Infrared Detectors & Systems Electric Power Photovoltaic Devices & Systems Energy Storage/Electrochemistry/Thermodynamics Electronic Image Sensors & Systems Remote Sensing
ARAKAKI, Dean Office: 20A-302 Phone: 756-2625 Email: darakaki@calpoly.edu	Computational Electromagnetics Antennas Circuits Power Electronics Control Systems
CHAKRABORTY, Nishith Office: 20A-304 Phone: 756-0883 Email: nnchakra@calpoly.edu	VLSI Neuromorphic Computing Digital Electronics Integrated Circuits
DERICKSON, Dennis Office: 20A-207 Phone: 756-7584 Email: ddericks@calpoly.edu	Optical Measurement Techniques High Speed Data Access Radio Frequency/Microwave Design Test and Measurement Techniques for Digital & Optical Communications
DOLAN, Dale Office: 20A-200 Phone: 756-2495 Email: dsdolan@calpoly.edu	Sustainable/Renewable Energy Generation Electromagnetic & Power Electronic Applications Sustainable Energy Project Economics Sustainability of Technologies Power Systems

FARZAN, Siavash Office: 20A-317 Phone: 756-0650 Email: sfarzan@calpoly.edu	Robotics Cyber-physical systems Mechatronics Control Systems Embedded Systems
GHAMARI, Mohammad Office: 20A-308 Phone: 756-0896 Email: mghamari@calpoly.edu	Embedded Artificial Intelligence Wearable Electronics Internet of Things
HUA, Kun Office: 20A-312 Phone: (805) 756-0651 Email: kuhua@calpoly.edu	Wireless Communication Digital Signal Processing Internet of Vehicles
JIN, Xiaomin Office: 20A-315 Phone: 756-7046 Email: xjin@calpoly.edu	Fiber Optics Electro-Optics
KLOOSTERMAN, Jenna Office: 20A-208 Phone: 756-0884 Email: jklooste@calpoly.edu	Terahertz Technology Heterodyne Receivers Superconducting Devices Electromagnetics
KUNDU, Souvik Office: 20A-310 Phone: Email: sokundu@calpoly.edu	Analog Circuit Design and Test Microelectronic Fabrication and Semiconductor Devices Biosensor Design Modeling Fabrication and Characterization Data Analytics (AI/ML)
NAYERI, Payam Office: 20A-318 Phone: 756-6370 Email: pnayeri@calpoly.edu	Antennas and Phased Arrays Surface Electromagnetics Intelligent Electromagnetic Surfaces Microelectronics Microwave and Millimeter-Wave Devices Wireless Communication Systems Array Processing and Digital Beamforming
PILKINGTON, Wayne Office: 20A-204 Phone: 756-5431 Email: wpilking@calpoly.edu	Digital Image & Signal Processing Medical Imaging Ultrasound Signal Processing Electronic Music

POON, Jason Office: 20A-305 Phone: 756-2635 Email: jasonp@calpoly.edu	Renewable Energy Power Electronics Control and Optimization Power Systems Computing
POSHTAN, Majid Office: 20A-301 Phone: 756-2763 Email: mposhtan@calpoly.edu	Microgrid Electric Energy Conversion Power System Protection Electric Machines
PRODANOV, Vladimir Office: 20A-200 Phone: 756-5393 Email: vprodano@calpoly.edu	Photovoltaic Systems Continuous-Time Circuits Active Filters and Low-Noise Amplifiers Analog and Mixed-Mode Integrated Circuit (IC) Timing Synchronization of Electrically-Large Arrays Design Wireless Transceivers for GHz Communications
TAUFIK Office: 20A-203 Phone: 756-2318 Email: taufik@calpoly.edu	Power Electronics Design, Modeling and Simulation of Power Converters Control Systems Motor Drives
YU, Helen Office: 20A-311 Phone: 756-2441 Email: xhyu@calpoly.edu	Digital Signal Processing Artificial Intelligence Stochastic Control
ZHANG, Xiaozheng (Jane) Office: 20A-307 Phone: 756-7528 Email: jzhang@calpoly.edu	Video/ Image Analysis Computer Vision Multimodal Interaction