TABLE OF CONTENTS

3 Congratulatory Message
4 Awards and Acknowledgements
6 Bachelor of Science Degree
10 Master of Science Degree
12 Doctor of Philosophy Degree
14 Class of 2024 Remarks
22 ECE Memories
26 Faculty & Staff Remarks
30 Core Faculty
Dear graduates,

With boundless pride and elation, I extend my sincerest congratulations to the exceptional Class of 2024 in Electrical and Computer Engineering! As you stand poised at the threshold of a new chapter, holding your BS, MS and PhD degrees aloft, I hope you will pause and reflect on the remarkable journey that has led you to this momentous occasion.

Your time at the University of Arizona has been characterized by hard work, dedication, and commitment to academic excellence. Completing the rigorous ECE program marks a significant milestone in your academic odyssey and mastery of a dynamic academic landscape. Electrical and computer engineering is shaped by the relentless march of technology, evolving societal needs, and the convergence of diverse disciplines.

Throughout your academic voyage, you have traversed a breadth of subjects, from circuits to programming, from signal theory to complex computing systems, and from foundational algorithms to cutting-edge AI technologies. In tackling formidable challenges, you have not merely expanded the boundaries of innovation but also exhibited an unquenchable thirst for knowledge in this ever-evolving field.

As you receive your well-earned diplomas, recognize that you are not only graduates but also torchbearers of ingenuity and perseverance.

As you embark on the next phase of your journey – whether it be pursuing further studies, entering the workforce, or blazing new trails as entrepreneurs – remember the invaluable lessons you have learned within these hallowed halls. Embrace challenges as opportunities for growth, continue to cultivate your passion for innovation, and never underestimate the power of collaboration and teamwork for overcoming real-world obstacles.

The world eagerly awaits the contributions that each of you will make as engineers, innovators, and global citizens. Your technical prowess, coupled with your integrity and compassion, will undoubtedly shape the future of technology and drive positive change in society. Know that the Department of Electrical and Computer Engineering stands behind you, cheering you on every step of the way.

Congratulations, Class of 2024! May your futures be bright, your endeavors fruitful, and your impact everlasting.

Bear Down!

Warm regards,

Michael Wu, PhD, Fellow of IEEE
Kenneth Von Behren Professor and Department Head
Electrical and Computer Engineering
University of Arizona
AWARDS AND ACKNOWLEDGEMENTS

Outstanding ECE Students

Each semester, the College of Engineering honors outstanding students who are nominated by their professors and department heads.

Outstanding Senior
Ashley Tittelbaugh

Outstanding Graduate Student
Joshua Mack

Outstanding Graduate Teaching Assistant
Joy Niu

ECE Engineering Ambassadors

Engineering Ambassadors share information about the College and their passion for Engineering – all from a student’s perspective. They are chosen based on their outstanding academic performance, involvement in research and internships, leadership experiences, and enthusiasm for engineering and education.

Raghad Alabagi

Jaret Rickel

Raghad Alabagi

Major: Electrical and Computer Engineering
Hometown: Tucson, Tucson, AZ (Pima Community College)
Undergraduate highlights:
• MSA (Muslim Student Association)
Plans after graduation: Raghad plans to complete her ECE masters program at UA.

Jaret Rickel

Major: Electrical and Computer Engineering
Minor: Statistics and Data Science
Hometown: Tucson, AZ (Basis Tucson North High School)
Undergraduate Highlights:
• Tau Beta Pi
• SpaceTREx laboratory
Plans after graduation: Jaret currently has an operations role at Amazon.
Awards for Excellent Performance at the Student Interface

The annual Student Interface Awards for Excellence honor ECE faculty, staff and teaching assistants who support our students by making them feel they are essential and valued members of the university community.

Outstanding Graduate Teaching Assistant
Alan Loreto Cornídez

Outstanding Staff
Tami Whelan
Graduate Academic Advisor

Outstanding Faculty
Ali Akoglu
Professor

Outstanding Faculty
Kay Thamvichai
Professor of Practice
Abdelrahman Ahmed Abdelkhalek
Raghad Saad Alabagi
Yousef Aljuhairi
Nawaf Z. Aljuhairi
Muad EEA Alsayar

Trevor Eugene Bailey
Kevin J. Barnett

Daniel Fabricio Campana Moscoso
Jaeden Wolf Carpenter
Darius Luciano Carrozzo
Brian E. Castellanos
Michael Anthony Cesar-Torres
Vanshraj Singh Chawla
George Edward Collias
Adrian Daniel Corey
Celeste R. Corey
Nicolas J. Coyne

Luciano Charles Dagnillo
Alexandra Kylie Daily
Paz Eduardo Davila Valenzuela
Saul Durazo Martinez

Aymane El Asslouj
Matthew I. English

Jason Parker Freeman

Jesus Daniel Garcia
Nestor Garcia
Thomas William Gentrup
Richard M. Gin

Timothy Daniel Haines
Malcolm Ulysses Hayes
Daniel Pesqueira Hinojos
Nicholas E. Hinrichs
Sophie V. Hunter

Ian J. Johnson
Jasiah Amon Joseph

Emmanuel Keedi-Rodriguez
Samuel Alexander Kerns
Dylan Jeffrey Krug
Stafford Lorenzo Lewis Jr.
Oscar Jonathan Lopez Fimbres

Vaishnavi Narayanan
Ameer Ghasem Nessae

Julia Christine Otto

Rafael Valles Pacheco
Kory Pearson
Carter Griffin Philipp

Alex Quenelle

Joshua Christian Reuter
Jaret Raymond Rickel
Maximus William Rigler
Julia Rima
Nabor A. Rios
Gloria Melany Romero
Gerrick Rocky Rubalcava
BACHELOR OF SCIENCE DEGREE

S
Jeremy Ryan Sharp
Oliver Beck Sjostrom
Cristhian Alfred Soria-Galvarro
Sierra Lynn Speranza
Bryce D. Stickley
Cole W. Suddarth
Osman Abdullah Syed

T
Eric Teitelbaum
Ashley Nicole Tittelbaugh
Anuj Dinesh Tripathi

V
Jaime Jose Valencia
Michael Villasana

W
Yumou Wan
Kai Michael Ward

Z
Daniel Zadorozhny

UNIVERSITY OF ARIZONA
SAMPOERNA UNIVERSITY

A
Muhammad Nafis Aimanurrohman
Rizka Vanissa Alifia
Bintang Anandhiya

C
Roger Cashley
Brandon John Lim Yung Chen

G
Juan Sebastian Gultom
K
Mikha Kristofer

L
Edrick Hansel Limantoro

R
Jeremiah Aaron Rahardja

S
Raisa Imani Sani
Moh Erwin Septianto
Muhammad Daffa Setiadi Putra

T
Pieter Timothy

W
Mikha Kelaya Wy

Z
Muhammad Akhsanul Zidan
Melika Akbarsharifi
Roxana Akbarsharifi
Amen Alyasiry
Judith Mulato Domingos Antonio

Samuel Eric Badger
Ayush Vaibhav Bhatti
Nicolas Ethan Blanchard
Kevin Joseph Brandt

Thomas Michael Carroll
Yousuf Choudhary
Ethan James Coffey
Christian Copic
Nicolas Ramon Cornejo-Lopez
Riley Brennan Cowling

Monique Dalton
Mason Wakefield Edgar
Trevor Clark Fields
Shaun Olesco Flannigan
Kevin Dennis Gilman
Lihao Guo
Luis Caleb Jimenez
Jerrin John Jose
Lewis William Koplon
L
Alex Li
Alan Manuel Loreto Cornidez

M
Megan Faith Mickey
Juan Carlos Moreno
Soraja Muhic

N
Ky Vinh Nguyen
Joy Niu

P
Nisharani Praveen

R
Jazael Ramos
Collin James Edwin Reed
James Anthony Russ

S
Blake Sack
Stephen Bryan Smart
Nicholas J. Smith
Jonathan Strang

T
Kazi Safkat Taa Seen

V
Matthew Wallace Van Eps
Michael Vortherms

Z
Elliot Zuercher
DOCTOR OF PHILOSOPHY DEGREE

A
Sudarshan Adiga
Ilkin Aliyev

B
Kyle Robert Boyer

C
Jude Larbi Kwesi Coompson

G
Zihao Gong
Dema Nua Govalla

H
Md. Sahil Hassan
L
Yuchao Liao

M
Joshua Andrew Mack
Phillip Andrew Martin

R
Arash Roshanineshat

S
Shahab Siddiqui

Z
Wenhan Zhang
Zhengguang Zhang
The following degree recipients have shared their photos and personal statements.

**BACHELOR OF SCIENCE**

**Abdelrahman Abdelkhalek**

“Do not go where the path may lead; go instead where there is no path and leave a trail.”
— Ralph Waldo Emerson

Accepted a position with Lutron Electronics, Coopersburg, PA.

**Yousef Aljuhairy**

Deadlifting 600lb was easy, graduation was not.

Pursuing a graduate degree.

**Muad Alsayar**

It’s been 5 years through this journey, although with all the setbacks I went through, I still stayed locked in and crossed the finish line through patience and dedication! I would like to thank my family who supported me out of the country and my friends here for keeping my sanity in check. Special shoutout to my dog Cinnamon for always having my back!

Pursuing a graduate degree at UArizona.

**Daniel Campana**

“Constantly think about how you could be doing things better and questioning yourself.”
— Elon Musk

I plan to spend sometime in my home country before starting work.

**Jaeden Carpenter**

Pursuing an MS degree at UArizona.

**Raghad Alabagi**

In the journey of life, I’m endlessly grateful for the anchor of my family and the light of Islam guiding my path. As Surah Hud teaches, ‘My success can only come from Allah. In Him I trust, and unto Him I look.’ Alhamdulillah for the love of my family and the wisdom of my faith, shaping every step of my journey.

Pursuing an MS degree in ECE at UArizona.

**George Collias**

“The only thing we have to fear is fear itself.”
— Franklin D. Roosevelt
Celeste Cortez

Thank you, UA for a beautiful four years. Genuinely could not have done it without the encouragement from my family, support from my friends, and guidance from the faculty and staff. Excited for the future!!

“College-educated, she graduated!” — Wiz Khalifa

Accepted a position with Tokyo Electron in Portland, OR.

Matthew English

My time here at UA has been a big learning experience, going from a high school class of 25 students to a college with over 40,000 students was a big change, but I was able to meet the right people in my classes, and through different groups on campus. It was those connections, their belief in me, and my belief in them that made it worth pushing forward. There were a lot of really tough classes at the time that I look back fondly on because of how much they taught me.

Bear Down!

Sophie Hunter

I am grateful for the unwavering support of my parents and friends these past 4 years as I navigated and overcame the challenges of ECE. I’d like to thank the women who came before, and to those who will follow, for building a resilient presence in this demanding discipline.

“Never be limited by other people’s limited imaginations.” — Mae C. Jemison

Nestor Garcia

I’ve reached the end of this long, challenging, yet fruitful journey. I’m deeply grateful to my family, friends, teachers, and supervisors for their unwavering belief and support. I’ve learned that true failure lies in giving up—so never give up. Believe it!

Accepted a position with RFC Mirror Lab at the University of Arizona, Tucson.

Emmanuel Keedi-Rodriguez

“Just because someone stumbles and loses their path, doesn’t mean they’re lost forever.” — Professor Charles Xavier

Accepted a position with Raytheon Technologies, Tucson.

Thomas Gentrup

“We can only see a short distance ahead, but we can see plenty there that needs to be done.” — Alan Turing

I plan to take a break to travel.
CLASS OF 2024 REMARKS

Oscar Jonathan Lopez Fimbres

Muchas gracias a mis papás por todo su apoyo y su amor incondicional. Sin todos sus sacrificios, no estaría donde estoy ni sería quien soy.

Accepted a position at RTX in Tucson. Pursuing an MS degree in ECE at UAriZona.

Joshua Reuter

“On the road to achieving your dreams, you must apply discipline, but more importantly, consistency. Because without commitment, you’ll never start, but without consistency, you’ll never finish.” — Denzel Washington

Pursuing an MS degree in ECE at UAriZona.

Jeremy Sharp

I would like to thank my parents, grandparents, fellow IEEE officers, and friends for supporting me through my journey at the University of Arizona. I am excited to apply all of the skills and knowledge that I have acquired over the past few years studying electrical engineering.

Accepted a position at Hewlett Packard Enterprise in San Jose, CA.

Bryce Stickley

“Every world has its end. I know that’s kinda sad but... That’s why we gotta live life to the fullest in the time we have.” — Sonic the Hedgehog

Pursuing a PhD degree in Optical Sciences at UAriZona.

Osman Syed

“Every day is a chance to be better.”

Accepted a position at HDR in Tucson.

Eric Teitelbaum

Being a computer engineer is easy. It’s just like riding a bike. Except the bike is on fire. You are on fire. Everything is on fire.
Ashley Tittelbaugh

“Around here, however, we don’t look backwards for very long. We keep moving forward, opening up new doors and doing new things… and curiosity keeps leading us down new paths.”
— Walt Disney

I’d like to thank my parents, sisters, teachers, and friends who pushed me to open new doors and venture down new paths. Thank you for laughing with me, crying with me, and everything in between. I am the person I am because you believed in me, pushed me, and supported me.

Pursuing an MS degree at UA.

Jaime Valencia

I am deeply grateful for the unwavering support and inspiration provided by my family, friends, and the exceptional faculty of the Electrical and Computer Engineering Department. Your guidance has been my compass in my academic journey, encouraging me to explore, innovate, and strive for excellence. Thank you for being my pillar of strength and for fueling my passion for engineering.

Pursuing a graduate degree at UA.
CLASS OF 2024 REMARKS

MASTER OF SCIENCE

Roxana Akbarsharifi
Pursuing a PhD degree in software engineering at UArizona.

Thomas Carroll
The long journey to be paid to be on my computer is finally complete! Take that mom!

Yousuf Choudhary
Highest praise to Allah SWT for everything. To my father, the epitome of a true leader and ultimate hero. Thank you for never asking ‘why’ but guiding me in ‘how’. Your strength, resilience and support made my dreams reality. I’m forever grateful for your inspiration and love.

Accepted a software engineer position at General Dynamics in Scottsdale.

Alan Loreto Cornez
I hope to remain humble in my every endeavor. That all my actions may glorify my Lord and Saviour, Jesus Christ. “For by grace you have been saved through faith. And this is not your own doing; it is the gift of God, not a result of works, so that no one may boast.” - Ephesians 2: 8-9 (ESV). Sola Scriptura, Solus Christus, Sola Fide, Sola Gratia, and Soli Deo Gloria.

Accepted a position at Texas Instruments, Tucson.

Nick Smith
Accepted a position at Sandia National Labs, Albuquerque, NM.

Christian Copic
Accepted a positions as a silicon engineer at Microsoft in Hillsboro, OR.
CLASS OF 2024 REMARKS

DOCTOR OF PHILOSOPHY

Ilkin Aliyev

“It is a profound and necessary truth that the deep things in science are not found because they are useful; they were found because it was possible to find them.”
— J. Robert Oppenheimer

Dissertation title: “Dynamic Sparsity-Aware HW-SW Co-design of Spiking Neural Network Acceleration”

Dissertation Director: Dr. Tosiron Adegbija

Accepted a position at Texas Instruments in Tucson.

Zihao Gong

“Success is not final, failure is not fatal. It is the courage to continue that counts.”
— Winston Churchill.

Dissertation title: “Quantum-Enhanced Transmittance Sensing”

Dissertation Director: Dr. Boulat Bash

Plans after graduation: Postdoctoral researcher.

Dema Govalla

“Dreams without goals are just dreams, and ultimately, they fuel disappointment. On the road to achieving your dreams, you must apply discipline, but more importantly, consistency, because without commitment, you will never start, but without consistency, you will never finish. Keep working, keep striving, never give up, fall down seven times, get up eight. Ease is a greater threat to progress than hardship. So, keep moving, keep growing, keep learning, see you at work.” — Denzel Washington.

Dissertation title: “A System to Enable Tactile Feedback in Robotic-Assisted Minimally Invasive Surgery”

Dissertation Director: Dr. Jerzy Rozenblit

Pursuing work in industry.

Phillip Martin

“Imagination is more important than knowledge. For knowledge is limited, whereas imagination embraces the entire world, stimulating progress, giving birth to evolution.” — Albert Einstein


Dissertation Director: Dr. Ali Bilgin

Accepted a position at Houston Methodist Research Institute.
Wenhan Zhang

“We may have knowledge of the past but cannot control it; we may control the future but have no knowledge of it.”
— Claude Elwood Shannon


Dissertation Director: Dr. Marwan Krunz

Accepted a position at Apple Inc. in Sunnyvale, CA.

Zhengguang Zhang

“Every challenge you face today makes you stronger tomorrow. The challenge of life is intended to make you better, not bitter.”
— Roy T. Bennett

Dissertation Title: “Robust PHY-Layer Signaling and Enhanced Security for Wi-Fi Systems”

Dissertation Director: Dr. Marwan Krunz

Accepted a position at Keysight Technologies in CA.
ECE MEMORIES

Some of the Class of 2024 graduates’ favorite ECE memories.

The Wireless Communications & Networking Group, pictured left to right: Arush Sharma, Prof. Marwan Krunz, Sopan Sarkar, Wenhan Zhang (Class of 2024 doctoral graduate), Dr. Hossein Manshaei, Zhengguang Zhang (Class of 2024 doctoral graduate), Md Rabiul Hussain, Amal Youssef and Zhiwu Guo. — Wenhan Zhang

Fabricating GNRFETs in the ECE cleanroom — Christian Copic
My favorite lab group. — Dema Govalla

Putting in work at the cleanroom! — Muad Alsayar

UA Senior Capstone project sponsor letting me fly his plane over Tucson! — Sophie Hunter
ECE MEMORIES

Lab group photo taken in Toronto, Canada, while attending the ISMRM Conference in June 2023. — Phillip Martin

Celebrating submission made at 11:59 PM — Osman Syed

2023 ECE Graduate Student Research Poster/Demo Symposium — Zhenggu

Last ECE 340 homework submitted! — Abdelrahman Abdelkhalek

IEEE lab shenanigans made possible through Bonzi Buddy, Arch Linux and Edge Computing (i use Arch btw) — Alan Loreto Cornez
Class of 2024

Grad pics in front of ECE — Celeste Cortez

Search Poster/Demo Symposium — Zhengguang Zhang

Grad pics in front of ECE — Celeste Cortez

made possible through Bonzi Buddy, Arch Linux and Edge Computing (i use Arch btw) — Alan Loreto Cornez
Congratulations Class of 2024! We are so proud of your achievements!

— Kelly Simmons-Potter
Director of Graduate Studies and Professor

Bravo! Congratulations on your commendable achievement. Wish you all the best as you transfer your engineering knowledge from the classroom to the real world. Always be adaptable and curious to learn new concepts and skills. Make your family proud!

— Narayanan Rengaswamy
Assistant Professor

Congratulations Class of 2024! Your success in ECE is inspiring. Wishing you all the best. Beardown!

— Rozanne Canizales
Assistant to Department Head and Administrative Manager

Dr. Ehsan Azimi’s XR course visiting the cleanroom to learn more about the semiconductor manufacturing to create digital twin of that in augmented and virtual reality.

Congratulations, Class of 2024! Your achievements inspire us all. Best wishes for a bright future ahead!

— Ehsan Azimi
Assistant Professor

Congratulations Class of 2024! Wishing you all the best in your journey ahead!

— Boulat Bash
Associate Professor
Congratulations on your graduation! This is a big step toward a bright future. Remember, success comes from hard work and passion. Keep believing in yourself, and you’ll go far. Wishing you a journey filled with happiness, growth, and endless possibilities.

— Siyang Cao
Associate Professor

Congratulations on your outstanding achievement! We are very proud of you. Wishing you the best in your future endeavors!

— Dale Hetherington
Professor of Practice

Congrats Class of 2024. We are very proud of you!

— Marwan Krunz
Regents Professor

Congratulations and good luck in your future endeavors!

— Michael W. Marcellin
Regents Professor

Warmest wishes for the next phase of your professional and personal endeavors, lots of success, happiness, and a good work-life balance

— Jerzy W. Rozenblit
University Distinguished Professor
To the remarkable Class of 2024, your journey through our ECE department has been nothing short of extraordinary. Your dedication, perseverance, and intellectual curiosity have propelled you to this momentous achievement. As you embark on the next chapter of your lives, may your talents and passion for engineering shine bright, illuminating pathways of innovation and progress across the broader spectrum of society and the world. Congratulations on reaching this significant milestone, and may your futures be filled with endless opportunities and success.

— Soheil Salehi
Assistant Professor
Congratulations, Class of 2024! Best wishes on your UA achievements and your future success.

— Hal S. Tharp
Associate Department Head and Associate Professor
**CORE FACULTY**

**Mohammad Abu Matar**
*Assistant Professor of Practice*
logic design • embedded microcontroller • programming languages • wireless communication

**Tosiron Adegbija**
*Director of Graduate Studies and Associate Professor*
high-performance embedded computing • low-power embedded systems design

**Ali Akoglu**
*Professor*
high-performance computing • reconfigurable computing • adaptive hardware systems

**Ehsan Azimi**
*Assistant Professor*
• extended reality • robotics • human-centered design

**Boulat Bash**
*Associate Professor*
information theory to practical problems of reliability and security

**Ali Bilgin**
*Associate Professor*
signal and image processing • data compression • magnetic resonance imaging

**Siyang Cao**
*Associate Professor*
radar signal processing • adaptive radar systems • innovative sensing systems

**Ivan B. Djordjevic**
*Professor*
optical communications and networks • quantum information processing

**Steven L. Dvorak**
*Professor*
geophysical applications of electromagnetics • optics • applied mathematics

**Wolfgang Fink**
*Edward & Maria Keonjian Endowed Chair and Associate Professor*
artificial vision • autonomous robotic space exploration • biomedical sensors

**Liesl Folks**
*Vice President for Semiconductor Strategy and Professor*
magnetic materials and devices • nanoscale metrology • spin-electronic devices

**Christos Gagatsos**
*Assistant Professor*
quantum information and optics • probability theory and coding • applied mathematics • electromagnetism
Michael W. Marcellin
Regents Professor and International Foundation for Telemetering Professor
digital communication and data storage systems • data compression • signal processing

Salim Hariri
Professor
autonomic cybersecurity • big data analytics • resilient cloud services

Ming Li
Professor
information security and privacy • wireless networking • cybersecurity

Gregory Heileman
Vice Provost for Undergraduate Education and Professor
data science • machine learning

Abhijit Mahalanobis
Associate Professor
imaging systems • machine vision and pattern recognition systems, infra-red and RF automatic target recognition

Dale Hetherington
Professor of Practice
electronic circuits • embedded microcontrollers • semiconductor processing

Michael W. Marcellin
Regents Professor and International Foundation for Telemetering Professor
digital communication and data storage systems • data compression • signal processing

Marwan Krunz
Regents Professor and Kenneth Von Behren Endowed Professor
wireless networks • cognitive and software-defined radios • MIMO communications

Michael M. Marefat
Associate Professor
intelligent systems • computer vision and robotics • machine learning

Loukas Lazos
Professor
network security • algorithms • network optimization • wireless communications

Kathleen Melde
Associate Dean of Faculty Affairs and Inclusion, College of Engineering and Professor
antennas for computing • wildlife tracking • microwave circuit design

Eung-Joo Lee
Assistant Professor
Computer vision • signal and image processing • medical image analysis • machine learning • deep learning • embedded systems

Kelly Simmons-Potter
Associate Dean of Academic Affairs, College of Engineering and Professor
response of optical materials and devices to ionizing and non-ionizing radiation
Narayanan Rengaswamy
Assistant Professor
classical and quantum error correction • quantum computing • information theory • signal processing

Jeffrey J. Rodriguez
Director of ECE Online Programs and Associate Professor
signal-image-video processing and analysis • automated image analysis

Janet Meiling Roveda
Professor
smart grid and smart home • VLSI systems for biomedical applications • multicore design

Jerzy W. Rozenblit
University Distinguished Professor
design and analysis of complex systems • modeling and computer simulation

Soheil Salehi
Assistant Professor
hardware and AI-enabled security • signal conversion and processing • AI hardware • computer architectures • VLSI circuits

Ravi Tandon
Litton Industries John M. Leonis Distinguished Associate Professor
information and coding theory • wireless communications • machine learning

Ratchaneekorn “Kay” Thamvichai
Professor of Practice
digital signal processing • communications

Hal S. Tharp
Associate Department Head and Associate Professor
control theory • engineering education

Bane Vasić
Professor
digital communications • error correction codes • memory and storage systems • quantum error correction

Michael Wu
Department Head and Professor
cybersecurity • mobile computing • wireless networks • computer communications

Hao Xin
Professor
microwave • millimeter-wave and THz devices • circuits • antennas

Danella Zhao
Associate Professor
computer architecture • cybersecurity • embedded system design

Janet Meiling Roveda
Professor
smart grid and smart home • VLSI systems for biomedical applications • multicore design

Jerzy W. Rozenblit
University Distinguished Professor
design and analysis of complex systems • modeling and computer simulation

Soheil Salehi
Assistant Professor
hardware and AI-enabled security • signal conversion and processing • AI hardware • computer architectures • VLSI circuits

Ravi Tandon
Litton Industries John M. Leonis Distinguished Associate Professor
information and coding theory • wireless communications • machine learning

Ratchaneekorn “Kay” Thamvichai
Professor of Practice
digital signal processing • communications

Hal S. Tharp
Associate Department Head and Associate Professor
control theory • engineering education

Bane Vasić
Professor
digital communications • error correction codes • memory and storage systems • quantum error correction

Michael Wu
Department Head and Professor
cybersecurity • mobile computing • wireless networks • computer communications

Hao Xin
Professor
microwave • millimeter-wave and THz devices • circuits • antennas

Danella Zhao
Associate Professor
computer architecture • cybersecurity • embedded system design