

UCSB CE and CS Undergraduate Advising, Fall 2022.

Forrest Brewer

Forrest Brewer is a Professor in the ECE department. He received a BS at Caltech and a PhD at the University of Illinois before joining the UCSB ECE faculty. His research includes VLSI design (especially in highly-constrained environments), CAD design tools and analysis, and high-performance asynchronous communication link design. He directs the The Systems Synthesis Lab specializes in the development of unconventional tactics to solve engineering problems, with coincident creation of analytic or systematic models.

Email: forrest at ece.ucsb.edu



Kerem Çamsari

Kerem Çamsari is an Assistant Professor in the ECE department working at the Orchestrating Physics for Unconventional Systems (OPUS) Lab. His research interests including nanoelectronics, spintronics, Emerging Technologies for Computing, Digital and Mixed-signal VLSI, Neuromorphic and Probabilistic Computing, Quantum Computing, and Hardware Acceleration.



Email: camsari at ece.ucsb.edu

Yogananda Isukapalli

Yogananda Isukapalli is a Teaching Professor in the ECE department. He joined the department in 2017 and has several years of experience as a staff scientist in the Wi-Fi division at Broadcom. He runs the CE Capstone program, offering students real-world experience in developing embedded systems that have significant hardware, software, and in some cases, mechanical components.

Email: yoga at ucsb.edu



Dmitri Strukov

Dmitri Strukov is a Professor and Distinguished Lecturer in the ECE department at UCSB. He directs the Strukov Research Group, which aims to develop novel computation methods. He pursues highly interdisciplinary research, which spans material science, electrical engineering, and computer science.



Email: strukov at ece.ucsb.edu

Luke Theogarajan

Luke Theogarajan is a Professor in ECE and co-director of the CE program at UCSB. He received his Ph.D. at MIT. His research interests include combining electronics with synthetic chemistry to develop neural prosthetic devices, integrating CMOS circuits with nanoscale sensors to develop novel biosensors, and developing synthetic mimics of biological function.

Email: ltheogar at cs.ucsb.edu



Zheng Zhang

Zhang Zhang is an Assistant Professor in ECE. He received his Ph.D. in Electrical Engineering and Computer Science from MIT and joined the UCSB faculty in 2017. His research includes uncertainty quantification and tensor computation with multi-domain applications including CAD of nano-scale IC/MEMS/photonics, data analytics, machine learning and autonomous systems.



Email: zhengzhang at ece.ucsb.edu

UCSB CE and CS Undergraduate Advising, Fall 2022 (continued)

Amr El Abbadi

Amr El Abbadi is a Professor in the Department of Computer Science. Professor El Abbadi joined the Department in 1987. He received his Ph.D. from Cornell University. His research interests include: Fault-tolerant distributed systems; Distributed Databases, Operating Systems, Cloud, and Social Networks. He is also the faculty advisor for the class of 2019.

Email: amr at cs.ucsb.edu



Prabhanjan Ananth

Prabhanjan Ananth is the Glenn and Susanne Culler Chair Assistant Professor in CS. He received his Ph.D. from UCLA and spent two years at MIT as a postdoc before joining UCSB in 2019. His research is in classical and (post-)quantum cryptography.



Email: prabhanjan at cs.ucsb.edu

Jonathan Balkind

Jonathan Balkind is an Assistant Professor of Computer Science at UCSB. He received his PhD in Computer Science from Princeton University. His research interests lie at the intersection of Computer Architecture, Programming Languages, and Operating Systems. He is the Lead Architect of OpenPiton and its heterogeneous-ISA descendent, BYOC, which are productive research platforms with thousands of downloads from over 70 countries worldwide.

Email: jbalkind at ucsb.edu



Michael Beyeler

Michael Beyeler is an Assistant Professor in Computer Science. He directs the Bionic Vision Lab and is the Associate Director of the UCSB Center for Virtual Environments and Behavior (ReCVEB). He received a PhD in Computer Science from UC Irvine as well as a BS in Electrical Engineering and a MS in Biomedical Engineering from ETH Zurich, Switzerland. Prior to joining UCSB, he completed a postdoctoral fellowship in the labs of Ione Fine (Psychology, Institute for Neuroengineering) and Ariel Rokem (eScience Institute) at the University of Washington, where he developed computational models of bionic vision. He is the recipient of the National Institutes of Health (NIH) Pathway to Independence Award.



Email: mbeyeler at ucsb.edu

UCSB CE and CS Undergraduate Advising, Fall 2022 (continued)

Chandra Krintz

Chandra Krintz is a Professor in Computer Science. She received her Ph.D. from UC San Diego before joining the UCSB CS Department in 2001. She co-directs the Lab for Research on Adaptive Computing Environments (RACELab) and previously worked at AppScale. Her research interests include AI systems for the Internet of Things (IoT), Programming Systems, cloud computing and services, distributed systems and edge computing, embedded systems, and digital agriculture and technology.

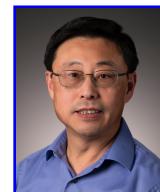
Email: ckrintz at ucsb.edu



Jianwen Su

Jianwen Su is a Professor in Computer Science. He received his PhD from the University of Southern California before joining the UCSB CS department in 1990. His research interests include database systems, services computing, and business process management. He is a member of the ACM and IEEE and has served or serves on committees of several conferences and journals.

Email: su at cs.ucsb.edu



Lei Li

Lei Li is an Assistant Professor in CS. Before joining UCSB, he directed the ByteDance AI Lab, the company behind TikTok and other prominent Chinese apps that use an AI-powered recommendation algorithm to provide personalized user experiences. He develops scalable algorithms that learn and mine knowledge from data, and is particularly interested in natural language processing, machine translation, and AI drug discovery.

Email: lilei at cs.ucsb.edu



Daniel Lokshtanov

Daniel Lokshtanov is a Professor of Computer Science at UCSB. He received his PhD in Computer Science (2009), from the University of Bergen. Lokshtanov spent two years (2010–2012) as a Simons Postdoctoral Fellow at University of California at San Diego, and 6 as a faculty at the Department of Informatics at the University of Bergen. His main research interests are in graph algorithms, parameterized algorithms and complexity. He is a recipient of the Meltzer prize, the Bergen Research Foundation young researcher grant, and of an ERC starting grant on parameterized algorithms. He is a co-author of the recent textbooks on Parameterized Algorithms and Kernelization.

Email: daniello at ucsb.edu



UCSB CE and CS Undergraduate Advising, Fall 2022 (continued)

Ziad Matni

Ziad Matni is an Assistant Teaching Professor in Computer Science. received his PhD in Information Science from Rutgers University, where he also taught as an adjunct faculty member before joining UCSB. Before his work in academia, he held multiple engineering and management positions in the semiconductor, computer systems, and data communication industry for over a decade. His research interests are in the use of information and communication technologies (ICT), including social media tools, as information sources (to tell us about both individuals and organizations) and understanding human behavior.

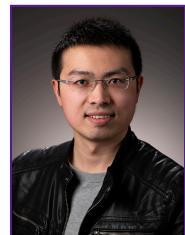
Email: zmatni at ucsb.edu



Lingqi Yan

Lingqi Yan is an Assistant Professor of Computer Science at UC Santa Barbara, co-director of the MIRAGE Lab, and affiliated faculty in the Four Eyes Lab. Before joining UCSB, Lingqi received his Ph.D. degree from the Department of Electrical Engineering and Computer Science at UC Berkeley. His research is in Computer Graphics. During his Ph.D. career, Dr. Yan mainly aimed at rendering photo-realistic visual appearance at real world complexity, building theoretical foundations mathematically and physically to reveal the principles of the visual world. He has brought original research topics to Computer Graphics, such as detailed rendering from microstructure, and real-time ray tracing with reconstruction.

Email: lingqi at cs.ucsb.edu



Diba Mirza

Diba Mirza is an Associate Teaching Professor in the Department of Computer Science. She received her Ph.D. in Computer Engineering from the UC San Diego and joined the Computer Science department at UCSB in 2017. She worked as a post-doc on interdisciplinary projects in the department of Computer Science and the Scripps Institution of Oceanography at UC San Diego, where she developed underwater robotic swarms that can help scientists learn more about the ocean. She directs the Early Research Scholars Program (ERSP) which is designed to support students in their first research experience and co-directs the CS Undergraduate Learning Assistant Program.

Email: dimirza at cs.ucsb.edu



Xifeng Yan

Xifeng Yan is a Professor in the Department of Computer Science. Professor Yan joined the Department in 2008. His PhD is from the University of Illinois at Urbana-Champaign. His research interests include: data mining, data management, machine learning, and bioinformatics.

Email: xyan at cs.ucsb.edu

