Yasser Khan

Assistant Professor, Electrical and Computer Engineering, University of Southern California
1002 Childs Way, #270D, Los Angeles, CA 90089
+1-214-914-1726 • yasser.khan@usc.edu • khan.usc.edu

Education / Training

Postdoctoral Scholar in Chemical Engineering — **Stanford University, CA, USA**, *Jan '19–Dec '21*
Sensor Systems, Advisor: Prof. Zhenan Bao; Co-Advisor: Prof. Boris Murmann.

Ph.D. in Electrical Engineering and Computer Sciences — **University of California, Berkeley, CA, USA**, *Dec '18*
GPA 3.95/4.00, Physical Electronics. Advisor: Prof. Ana Arias.

B.S. in Electrical Engineering — **University of Texas at Dallas, TX, USA**, *May '10*
GPA 3.98/4.00, Summa Cum Laude, Electronics and Materials Science.

Experience

Assistant Professor of Electrical and Computer Engineering — **University of Southern California, CA, USA**, *Jan '22–Present*
Andrew and Erna Viterbi Early Career Chair

- Students: 10 PhD (7 ECE 3 BME), 19 MS, 50+ undergraduate students (total in 3.5 years).
- Funding: $2.75M individual, $7.2M total (2022-2025), from NSF, NIH, DoD, Packard Foundation, Google, Samsung, Pratt & Whitney Institute for Collaborative Engineering, Schlumberger Foundation, USC Zumberge.
- Teaching: Developed 2 new courses – Introduction to Electrical Engineering (EE105) and Bioelectronics (EE599).

Selected Awards / Honors

- Air Force Office of Scientific Research Young Investigator Award *2025*
- IEEE Sensors Council Technical Achievement Award in Sensors – Early Career *2025*
- Andrew and Erna Viterbi Early Career Chair *2025*
- USC Viterbi School of Engineering Junior Faculty Research Award *2025*
- Packard Fellowship *2024*
- IEEE Senior Membership, USC Zumberge Award *2024*
- Google Research Award *2023*

Professional Activities

Editor and review services: Editor (2021-2022) IEEE Photonics Journal. Reviewer: Nature, Science, Nature Electronics, Nature Communications, Proceedings of the National Academy of Sciences, PNAS, Science Advances, ACS Nano, Advanced Materials, and many others. **USC services:** 2024 PhD fellowship committee, 2025 Faculty hiring committee, 2022, 2023, 2025 Committee member - USC Munushian seminar series; **IEEE services:** 2025 Track Chair: IEEE International Conference on Flexible, Printable Sensors and Systems (FLEPS 2025), 2024 Session Chair IEEE IFETC, 2022 Subcommittee Member for IFETC 2022 in San Jose, 2022 Subcommittee Member for IEEE FLEPS 2022 in Boston.

Publications

Please check Google Scholar. Summary of the citation metrics: **Total Citations:** 7908, **h-index:** 29, **i10-index:** 38. Nature Electronics, Nature Communications, Nature Photonics: 6, Science Advances: 3, PNAS: 2, Advanced Materials, Advanced Functional Materials, Advanced Intelligent Systems, Advanced Electronic Materials, Advanced Materials Technologies: 12. **Patents:** Applied: 12, Issued: 4

