



New Faculty Orientation

Welcome and Overview

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August 17, 2023

New and Recent T/TT Faculty Hires



Assistant Professors

- Ameneh “Neda” Maghsoodi, AME*
- Kandis (Leslie) Abdul Aziz, CEE***
- Adam Simpson, CEE**
- Jiachen Zhang, CEE***
- Erdem Biyik, CS**
- Lars Lindemann, CS*
- Ruishan Liu, CS***
- Willie Neiswanger, CS***
- Seo Jin Park, CS**
- Ibrahim Sabek, CS**
- Daniel Seita, CS**
- Oded Stein, CS*
- Yue Wang, CS**
- Jieyu Zhao, CS**
- Yue Zhao, CS**
- Corey Baker, ECE-S***
- Christopher Lin Torng, ECE-S*
- Stephen L. Tu, ECE-S***
- Zhenglu Li, MFD*
- Yu-Tsun Shao, MFD*
- Luis Francisco Villalobos, MFD***

Associate Professors

- Harsha Madhyastha, CS*
- Feng Qian, ECE-S**

Professors

- Krishna Garikipati, AME***
- Johannes Royset, ISE***
- Jay Hyung Lee, MFD*

New and Recent RTPC Faculty Hires



Lecturers

- Katherine Brichacek, EiS**
- Niloufar Izadinia, ISE*
- Maryam Pishgar, ISE**
- Sinan Seymen, ITP**

Senior Lecturers

- Michael Sievers, ASTE**
- Paul Lu, ISE**
- Pierson Clair, ITP**

Professors of Practice

- Farzad Naeim, CEE*
- George Papavassilopoulos, ISE**

Research Assistant Professors

- Longwei Liu, BME*
- Amin Ghadami, CEE*
- Zaijun Chen, ECE-EP*
- Ye Tian, ECE-S**

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USC at a Glance*



USC Academic Units (22)

- USC Dornsife College, Bovard College, USC Libraries, 19 Professional Schools

USC Faculty (over 6,600 total)

- Approximately 4,600 full-time faculty: ~1,500 T/TT faculty; ~3,100 full-time Research, Teaching, Practice, and Clinical (RTPC) faculty
- Approximately 2,000 part-time faculty
- Over 150 elected fellows of prestigious societies (AAAS, AAI, ACM, APS, ALI,...)
- Over 50 affiliated faculty in National Academies (NAS, NAE, IOM)
- 10 National Medal award winners and 6 Nobel Laureates (current & past)

USC Students (~49,500 total)

- Approximately 21,000 undergrads; 28,500 grad & professional students
- Degrees awarded (Fall 2022): 5,424 Bachelor's; 12,393 advanced (graduate)
- More than 450,000 living alumni

Annual Research Expenditures (FY'20-21) and Endowment (June 2021)

- Approximately \$955.6 million in sponsored research; \$8.1 billion in endowment

Viterbi School at a Glance*



Viterbi Academic Units

- Dept's: AME, ASTE, BME, CEE (Astani), CHEMS (Mork), CS (Lord), ECE (Ming Hsieh), ISE (Epstein)
- Academic Program Units (non-degree granting): EiS, ITP

Viterbi Faculty

- Over 310 full-time faculty: ~199 T/TT; ~182 Research and Teaching (including Practice)
- > 100 elected fellows of prestigious societies (AAAI, AAAS, APS, ASME, ACM, BMES, IEEE, ...)
- > 110 NSF Career, Presidential Young Investigator, and/or PECASE Awardees**
- > 120 endowed early or mid-career chairs/professorships and senior career chairs/professorships
- at least 16 full-time (and ~40 affiliated) faculty who are NAE members; > 20 are NAI members

Viterbi Students

- Approximately 10,172 total: ~3,000 undergrads; ~7,200 grad students (Fall 2022)
- Over 96,000 alumni
- Typically in Top 10-12 Graduate Engineering Schools (U.S. News & World Report)

Viterbi Annual Research Expenditures (~ 1/4th of USC's)

- Typically over ~\$183 million; more than 45 Research Centers and Institutes



Viterbi Academic Programs*

Academic Programs

- 14 BS programs
- 23 active minors
 - 72 Master's programs
 - 41 Master's programs and 5 grad certificates on-line via DEN@Viterbi
- 13 Doctoral programs

Education, Outside-the-Curriculum, and Outreach Efforts

- KIUEL (Klein Institute for Undergraduate Engineering Life)
- K-12 STEM Center, DEI outreach (<https://viterbik12.usc.edu/>)
- Center for Engineering Diversity (<https://viterbiundergrad.usc.edu/diversity/center-for-engineering-diversity/>)
- Maseeh Entrepreneurship Prize Competition (MEPC)
- Min Family Engineering Social Entrepreneurship Challenge
- USC Viterbi Student Innovation Institute (VSI2) and Viterbi Startup Garage
- Student-led efforts (Rocket Propulsion Lab, USC Racing Team, ...)



Useful USC Resources

Policies and Faculty Portals

- Policies, Faculty Handbook, UCAPT Manual, strategic vision, & core doc's
<http://policy.usc.edu>
- Faculty resources, governance, support, guides, calendars, news, events
<http://faculty.usc.edu>
- Useful links and information (e.g., for new faculty (T/TT & RTPC), Chairs/Directors, mentors)
<https://employees.usc.edu/>

Work Well Center

- <https://workwell.usc.edu/>

Center for Excellence in Research (CER)

- Proposal writing workshops, proposal review, funding opportunities, ...
<https://orif.usc.edu/cer/>

Center for Excellence in Teaching (CET)

- Workshops, seminars, programs, and resources for teaching innovation <http://cet.usc.edu/>
- See the CET Faculty Teaching Institute: <http://cet.usc.edu/institutes/>



Useful Viterbi Resources

Viterbi Research Portal

- Funding opportunities, research centers/labs, other info for faculty:
<http://viterbischool.usc.edu/faculty/faculty-research-resources/>

Viterbi Faculty Portal

- School policies, academic integrity, useful links, and other resources:
<https://viterbischool.usc.edu/faculty/>

Viterbi Mentoring Program

- Mentorship of junior faculty
- WiSE Program (<https://wise.usc.edu/>)
- Mentor-mentee and peer-mentoring luncheons sponsored by the School
- Annual group mentoring sessions (Vice Dean for Faculty Affairs)
- NSF Career proposal internal review (Vice Dean for Research)
- Understand mentoring roles, responsibilities, benefits and expectations—identify your needs and set attainable goals: <https://viterbischool.usc.edu/faculty/#Mentoring>

Graduate Recruitment



USC and Viterbi Ph.D. Fellowships and Awards

- Provost, Annenberg, Viterbi, Mork, Alfred Mann, Ming Hsieh, Chevron Fellowships
- Viterbi Supplemental, Merit Top-off, WiSE Top-off, GEM, Diversity Top-off Awards

<https://viterbigradadmission.usc.edu/doctorsal/phddegrees/>

On-Campus Student Recruitment Events

- Graduate Engineering Preview Day
<https://viterbigradadmission.usc.edu/events/mspreview/>
- Step Towards Engineering Programs (PhD Preview)
<https://viterbigradadmission.usc.edu/graduate-diversity/step/>
- Conversion Visitation Days each Spring (coordinated by departments)