New Faculty Orientation

Welcome and Overview

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August 17, 2023
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*

Associate Professors

- Yue Wang, CS**
- Jieryu 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***

Professors

- Harsha Madhyastha, CS*
- Feng Qian, ECE-S**
- Krishna Garikipati, AME***
- Johannes Roysset, ISE***
- Jay Hyung Lee, MFD*
New and Recent RTPC Faculty Hires

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

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

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

**Professors of Practice**
- Farzad Naeim, CEE*
- George Papavassilopoulos, ISE**

* Joined in Spring 2023
** Joined in Fall (or Summer) 2023
*** Joins in Spring 2024
New and Recent T/TT Faculty Hires

Assistant Professors
- Ameneh “Neda” Maghsoudi, 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**
- Chris Lin Tornq, ECE-S*
- Corey Baker, ECE-S***
- Stephen Tu, ECE-S***

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- Yu-Tsun Shao, MFD*
- Luis Francisco Villalobos, MFD***
- Harsha Madhyastha, CS*
- Feng Qian, ECE-S*

Professors
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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/T 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, AAAI, 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

* 2022-2023 Academic Year
https://www.usc.edu/we-are-usc/the-university/facts-and-stats/
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

* https://viterbischool.usc.edu/viterbi-at-a-glance/
** 15 MIT TR-35 Honorees since 2009
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, ...)

* https://viterbischool.usc.edu/viterbi-at-a-glance/
Useful USC Resources

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

Work Well Center
- [https://workwell.usc.edu/](https://workwell.usc.edu/)

Center for Excellence in Research (CER)
- Proposal writing workshops, proposal review, funding opportunities, ...
  [https://orif.usc.edu/cer/](https://orif.usc.edu/cer/)

Center for Excellence in Teaching (CET)
- Workshops, seminars, programs, and resources for teaching innovation [http://cet.usc.edu/](http://cet.usc.edu/)
- See the CET Faculty Teaching Institute: [http://cet.usc.edu/institutes/](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/doctoral/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)