New Faculty Orientation

Welcome and Overview

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New and Recent Faculty Hires

Assistant Professors
• Neda Maghsoodi, AME***
• Thomas Petersen, CEE**
• Souti Chattopadhyay, CS**
• Lars Lindemann, CS***
• Harsha Madhyastha, CS***
• Oded Stein, CS***
• Swabha Swayamdipta, CS**
• Weihang Wang, CS**
• Dani Yogatama, CS**
• Yasser Khan, ECE-EP*
• Mengjie Yu, ECE-EP*
• Quntao Zhuang, ECE-EP**
• Chris Lin Tornq, ECE-S***
• Zhenglu Li, MFD***
• Yu-Tsun Shao, MFD***

(Visiting) Associate Professors
• Harsha Madhyastha, CS***
• Feng Qian, ECE-S***
• Giacomo Nannicini, ISE**

Professor
• Demetrios Christodoulides, ECE-S**
• Jay Hyung Lee, MFD***

Lecturers
• Emma Singer, AME**
• Saakar Byahut, AME**
• Niloufar Izadinia, ISE***

Senior Lecturer
• Roxana Javid, CEE**
• Marco Popa, CS**
• Susan Schober, ECE-EP**
• Reza Jafarkhani, ITP**
• Maryam Majedi, ITP**

Research Assistant Professors
• Sifat Muin, CEE*
• Bo-Tong Zheng, CEE*
• Luis Garcia, CS (ISI)**
• Filip Ilievski, CS (ISI)**
• Yajie Zhao, CS (ICT)**
• Zaijun Chen, ECE-EP**
• Abigail Horn, ISE (ISI)**

* Joined in Spring 2022
** Joined in Fall (or Summer) 2022
*** Joins in Spring 2023
New and Recent T/TT Faculty Hires

Assistant Professors
- Neda Maghsoodi, AME***
- Thomas Petersen, CEE**
- Souti Chattopadhyay, CS**
- Lars Lindemann, CS***
- Harsha Madhyastha, CS***
- Oded Stein, CS***
- Swabha Swayamdipta, CS**
- Weihang Wang, CS**
- Dani Yogatama, CS**
- Yasser Khan, ECE-EP*
- Mengjie Yu, ECE-EP*
- Quntao Zhuang, ECE-EP**
- Chris Lin Torng, ECE-S***
- Zhenglu Li, MFD***
- Yu-Tsun Shao, MFD***

(Visiting) Associate Professors
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- Feng Qian, ECE-S***
- Giacomo Nannicini, ISE**

Professor
- Demetrios Christodoulides, ECE-S**
- Jay Hyung Lee, MFD***
New and Recent RTPC Faculty Hires

**Lecturers**
- Emma Singer, AME**
- Saakar Byahut, AME**
- Niloufar Izadinia, ISE***

**Senior Lecturer**
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- Marco Popa, CS**
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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, AAAL, 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 June 2020: 5,447 Bachelor’s; 13,094 advanced
- 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

* 2021-2022 Academic Year
https://about.usc.edu/facts/
Viterbi School at a Glance*

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

Viterbi Faculty
• Over 310 full-time faculty: ~189 T/TT; ~124 Research and Teaching (including Practice)
• > 100 elected fellows of prestigious societies (AAAI, ASME, ACM, BMES, IEEE, …)
• > 100 NSF Career, Presidential Young Investigator, and/or PECASE Awardees**
• ~ 120 endowed early/mid-career chairs, senior career chairs and professorships
• ~ 20 full-time (and 35 affiliated) faculty who are NAE members; 20 are NAI members

Viterbi Students
• Approximately 9,227 total: ~2,923 undergrad; ~6,304 grad students (Fall’21)
• Over 88,000 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 ~$213 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
• 15 BS programs
• 20 active minors
  – 69 Master's programs
    • 41 Master's programs and 5 grad certificates on-line via DEN@Viterbi
• 13 Doctoral programs

Education and Outside-the-Curriculum Efforts
• KIUEL (Klein Institute for Undergraduate Engineering Life)
• K-12 STEM Center (DEI outreach)
• 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
- 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, 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
- Mentor-mentee and peer-mentoring luncheons sponsored by 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/
• REACH (Recruitment of Engineering Achievers) PhD Preview
  https://viterbigradadmission.usc.edu/reach/
• Conversion Visitation Days each Spring (coordinated by departments)