USC Department of Computer Science 2019

BY THE NUMBERS

USC DEPARTMENT OF COMPUTER SCIENCE 2019

Assistant Professor
Mukund Raghothaman
PhD: University of Pennsylvania
Programming languages, software engineering, program synthesis, software verification, probabilistic methods in static analysis, automated reasoning

Research Assistant Prof.
Fred Morstatter
PhD: Arizona State University
Social network analysis, data mining, machine learning, artificial intelligence

Research Assistant Prof.
Mohammad Soleymani
PhD: University of Geneva
Affective computing, multimodal machine learning, computational mental health assessment, interactive virtual agents

Assoc Prof. of Practice
Wei-Min Shen
PhD: Carnegie Mellon University
Self-reconfigurable and metamorphic robots, surprise-based machine learning, artificial intelligence, autonomous systems, life sciences

Lecturer
Mohammad Reza Rajati
PhD: University of Southern California
Machine learning, natural language processing, data mining, artificial intelligence and multiagent systems

FACULTY

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<th>Faculty Members</th>
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<th>Research Faculty</th>
<th>Teaching Faculty</th>
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ADDITIONAL HIGHLIGHTS

USC’s online computer science graduate program was ranked No.1 according to US News and World Report 2019, for the seventh consecutive year.

42 percent of entering fall 2019 computer science freshmen are women.

The USC Games program is recognized as the top game design program in North America by the Princeton Review.

The USC Computer Science (CS) Department Industry Affiliate Program (IAP) launched in fall 2018, with current members including Google, Microsoft, Lyft, Didi and Facebook.

NEW FACULTY, RECRUITED 2018-2019

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GRANT HIGHLIGHTS

Jyotirmoy Deshmukh, FMtF: A Novel Framework for Learning Formal Abstractions and Causal Relations from Temporal Behaviors, US-National Science Foundation: $1,000,000

Ramesh Govindan, CNS Core: Large: Collaborative Research: Network Design Automation, US-National Science Foundation: $1,000,000

David Kempe, Multi-Scale Network Games of Collusion and Competition, Regents of the University of Michigan: $1,158,953

Bistra Dilkina, CRISP Type 1/Collaborative Research: Sustainable and Resilient Design of Interdependent Water and Energy Systems at the Infrastructure-Human-Resource Nexus, US-National Science Foundation: $210,417


STUDENT DISTINCTIONS

Undergraduate student Zane Durante received the Goldwater Scholarship (2019-2020), the nation’s preeminent scholarship for undergraduates in mathematics, natural sciences or engineering

For the second year in a row, a team of computer science students placed first in the regional contest of the “Olympics of Computer Programming,” the International Collegiate Programming Contest.

PhD student I-Hung Hsu was named an Amazon Alexa Graduate Fellow, awarded to only 10 doctoral students from universities around the world.