



Katherine Alfredo, PhD

Katherine Alfredo received NSF Funding for a workshop titled, "Workshop on innovation in hot water system design to meet simultaneous water quality, public health, and conservation objectives."



Mauricio Arias, PhD

Mauricio Arias is one of eight scientists selected for the Gulf Research Program's Environmental Production and Stewardship track of the 2021 Early-Career Research Fellowship (ECRF), announced by the Gulf Research Program (GRP) of the National Academies of Sciences, Engineering, and Medicine.



Jeff Cunningham, PhD and Jim Mihelcic, PhD

Jeff Cunningham, Jim Mihelcic, and Mamooda Pasha (USF Health) received a \$288,759 NSF grant for convergent research to support provision of safe water in eastern coastal Madagascar.



Xiaopeng "Shaw" Li, PhD

Xiaopeng "Shaw" Li received a \$3.5M grant from the U.S. Dept. of Energy for his project titled, "Visual-Enhanced Cooperative Traffic Operations (VECTOR) System."



Yu Zhang, PhD

Yu Zhang received \$46,966 from Amazon Research Awards (ARA) under the Robotics Call for Proposals for the proposal titled "Design of an Automated Advanced, Air Mobility Flight Planning System (AAFPS)."



Fred Mannering, PhD

Fred Mannering received the 2021 HNTB-CUTC lifetime achievement award in transportation research and education.



Maya Trotz, PhD

A multi-disciplinary research team headed by Maya Trotz, has been awarded an Accelerator Grant by the National Science Foundation (NSF) for a project titled: "Linking the Green Economy to the Blue Economy at the Coast." The phase I grant awards up to \$750,000 to develop the concept, identify team members, and participate in the innovation curriculum coordinated by the NSF.

Daniel Yeh received an extension of \$162,700 for his NASA grant to develop a system that converts human waste into fertilizer and water.

Our faculty and graduate students have had continued success with not only major federal grants but also other national honors.

Gray Mullins' master's students **Cesar Quesada Garcia** and **Malaak Araujo** both received 2021-2022 ADSC International Association of Foundation Drillers scholarship.

Xiaopeng "Shaw" Li's doctoral student **Xiaowei Shi** was granted the Neville A. Parker – Science & Technology Award from the Council of University Transportation Centers (CUTC). Another one of **Xiaopeng "Shaw" Li's** doctoral students **Zhiwei Chen** was granted the Charley Wootan Memorial – Masters Award from the Council of University Transportation Centers (CUTC).

University of South Florida is one of the three pre-eminent universities in Florida. As the fastest-rising university in the United States, USF is now ranked 46th among public universities in the 2022 edition of *U.S. News and World Report's Best Colleges*.



Manjriker Gunaratne, PhD, PE
Professor and Chairman



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