



Maya Trotz, PhD

Maya Trotz has received the following grants from the National Science Foundation:

“Large-scale CoPe: Reducing Climate Risks with Equitable Nature-based Solutions: Engaging Communities on Reef-Lined Coasts”

\$20 million over 5 years.

“Convergence Accelerator Track E: The BlueGreen Action Platform, connecting communities upstream and downstream to improve nitrogen management” - **\$5 million over 2 years**

“Collaborative Research: Challenging Anti-Black-Racism in Civil and Environmental Engineering Curriculum”, - **\$1.5 million over 4 years**

“ADVANCE Partnership: Strategic Partnership for Alignment of Community Engagement in STEM (SPACES)” - **\$250,000 over 4 years**



Fred Mannering, PhD

Fred Mannering received the **2021 HNTB-CUTC lifetime achievement award** in transportation research and education and was again named to **Clarivate's annual list of Highly Cited Researchers.**



Yu Zhang, PhD

Yu Zhang will serve as the director of the National Institute for Congestion Reduction (**NICR**), a USDOT National University Transportation Center.



Jim Mihelcic, PhD

Jim Mihelcic, gave an invited keynote presentation at the **Virtual Conference of AQUA=360: Water for All - Emerging Issues & Innovations.** The conference was hosted by the University of Exeter (U.K.). The title of his talk was “Safe Water for All: Solving a Lead (Pb) in Drinking Water Crisis in Sub-Saharan Africa.”



Mauricio Arias, PhD and Jane Zhang, PhD

Mauricio Arias and **Jane Zhang** have received a project from the Army Corps' Engineer Research and Development Center for “**Integrating Modeling Tools and Observations for Prediction and Management of Harmful Algal Blooms in the St. Lucie Estuary and Watershed**”. This will be a 3-yr, **\$2.5M project**, led by University of South Florida and in collaboration with University of Florida and the South Florida Water Management District (SFWMD).

Mauricio Arias also received a three-year, \$660,000 grant from NASA's Applied Science Team. The funding supports the development of a river forecasting system for the Mekong River. Collaborators are NASA's Goddard Space Center and the Asian Disaster and Preparedness Center in Thailand and the Gulf Research Program Award from the National Academies of Science.



Katherine Alfredo, PhD

Katherine Alfredo was selected as one of fourteen Junior Faculty into **Harvard's T.H. Chan School of Public Health JPB Environmental Health Fellowship Program** representing a diverse group of modern academic scholars who are dedicated to addressing critical societal environmental problems facing communities. Dr. Alfredo is the only Fellow directly associated with an engineering department. Over a 3.5 year period she will receive funding of **\$150,000** in direct costs as well as mentoring, training in proposal development, research methods, leadership and communications.

Daniel Yeh and his research team are shipping human waste converter NEWGenerator to South Africa to begin the process of entering mass production. Read more in USF News and WJXX ABC.

Erica Dasi and **Michelle Platz** are recipients of the 2022 ASEE eFellows Post-Doctoral Fellowship. They will be working with **Jeff Cunningham** and **Maya Trotz** respectively.

Sheyla Chero-Osorio, PhD student in Environmental Engineering, has been awarded a 2022-2023 AAUW International Fellowship for research involving implementation of mainstream de-ammonification combining carbon diversion, ion exchange and bio-regeneration. Her advisor is **Sarina Ergas**, professor and graduate program director in the Department.

The team of Shelby Rocha, Barbara Martinez, Vanessa Adame, Anwar Alsharaf, and Jada Williams won first place in the Florida Water Environment Association (FWEA) Student Design Competition Environmental category for the project titled "Southeast Wastewater Treatment Plant Wetlands Design." **Sarina Ergas** (CEE) is the faculty advisor.

Estenia Ortiz Carabantes, doctoral student, was selected as WEF InFlow scholars and recently attended the WEFTEC 2021 held in Chicago, IL.

The goal of the **WEF Introducing Future Leaders to Opportunities in Water (InFlow) program** is to enhance diversity and inclusion in the water workforce.

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 42nd among public universities in the 2023 edition of *U.S. News and World Report's Best Colleges*.



Manjriker Gunaratne, PhD, PE
Professor and Chairman



www.usf.edu/engineering/cee

College of Engineering
University of South Florida
4202 East Fowler Ave., ENG030
Tampa, FL 33620

Non-Profit Org.
U.S. Postage
PAID
Tampa, FL
Permit #257