

Why Graduate School at USF?

- An exciting place to study and a great place to live
- Challenging local infrastructure & environmental.
- Committed to finding solutions to global problems.
- Committed to educating scholars and leaders in the CEE profession.
- Thesis and coursework master's degree options
- Large doctoral program
- Programs in Environmental, Water Resources, Transportation, Geotechnical , Structures & Materials Engineering



USF College of Engineering Profile – Fall 2010



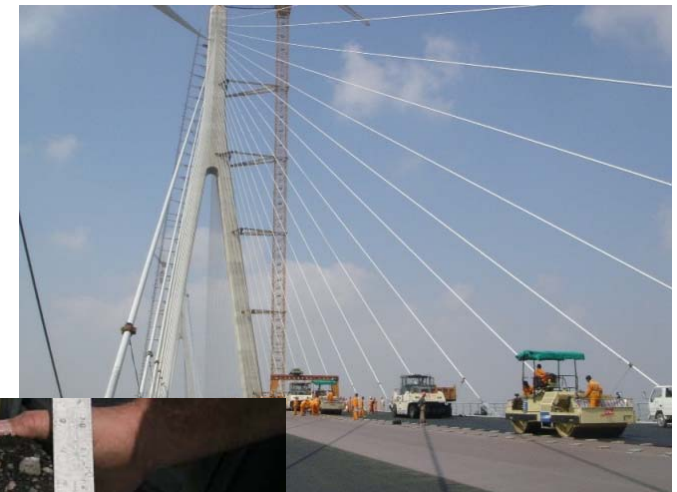
- 6 Academic Departments
 - Civil & Environmental
 - Chemical & Biomedical
 - Computer Science & Engineering
 - Electrical
 - Industrial & Management Systems
 - Mechanical
- 8 doctoral programs
- 9 Research Centers
- 123 Faculty
- \$23.9 Research Expenditures
- 2,984 Undergraduates
- 819 Graduate Students
- 414 International Students

Transportation & Geotechnical

- Traffic operations, intelligent transportation – Jian Lu
- Transportation planning, travel demand – Abdul Pinjari
- Pavement design – Qing Lu, Manjriker Gunaratne
- Air Transportation – Yu Zhang



Center for Urban
Transportation Research



Structures & Materials

- Large Scale Testing, Field Instrumentation - Grey Mullins
- Corrosion performance of materials - Alberto Sagues
- Computational Mechanics, Composites - Daniel Simkins
- Advanced Composite Materials, Design of Structures - Rajan Sen
- Concrete performance - Abla Zayed



Corrosion monitoring, Everglades



FRP Bridge Repair, Tampa

Environmental

- Contaminant fate & transport - Jeff Cunningham, Maya Trotz
- Environmental Biotechnology - Sarina Ergas, Peter Stroot, Daniel Yeh
- Sustainability & Green Engineering - Qiong Zhang, James Mihelcic
- Air Quality – Amy Stuart

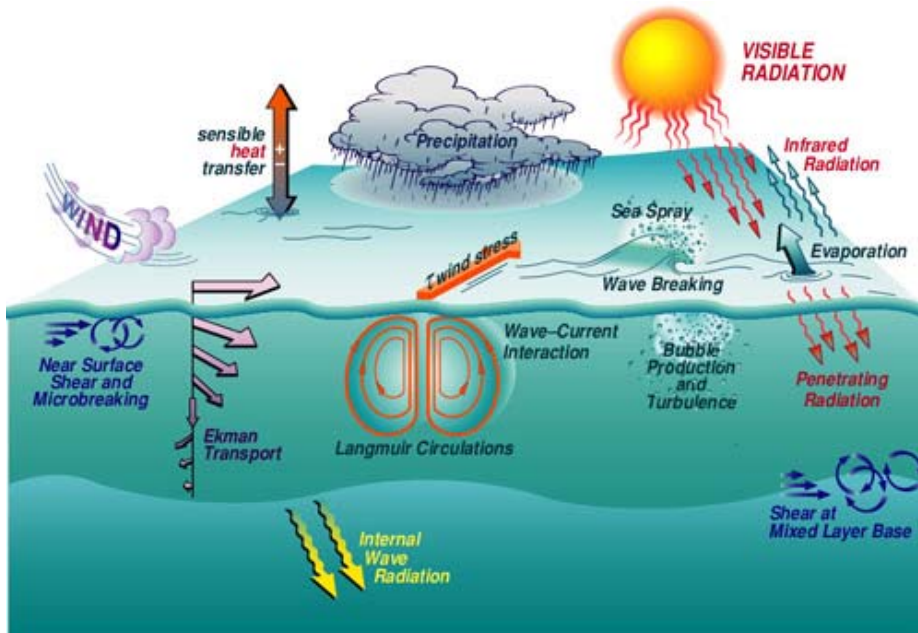


Water Awareness in East Tampa

Pilot scale bioreactors for stormwater studies

Water Resources

- Subsurface hydrology - Mahmood Nachabe
- Hydrologic & hydraulic modeling - Mark Ross
- Simulations of ocean turbulence - Andres Tejada-Martinez
- Sustainable urban water infrastructure - Kalanithy Vairavamoorthy



Installing an Acoustic Doppler Velocity Meter in the Everglades

Developing CFD Models of CO₂ transport