

Dr. Charles Chadwell <i>Structural</i>	◆Nonlinear structural dynamics ◆Earthquake engineering ◆Advanced analysis techniques for long-span bridges ◆Nonlinear structural modeling and analysis ◆Earthquake engineering software development for Windows using Visual Basic and C++ ◆Nonlinear behavior of reinforced concrete structures
Dr. Alypios Chatziioanou <i>Transportation</i>	◆Transportation engineering ◆Air transportation ◆Traffic control systems
Dr. Jay S. DeNatale <i>Geotechnical</i>	◆Geotechnical engineering ◆Field and laboratory testing ◆Lateral earth support systems ◆Slope stability ◆Computer-aided analysis and design
Dr. Gregg L. Fiegel <i>Geotechnical</i>	◆Geotechnical engineering ◆Geotechnical earthquake engineering ◆Field and laboratory testing
Dr. Rakesh Goel <i>Structural</i>	◆Computer applications in structures ◆Structural dynamics ◆Earthquake analysis and design ◆Structures with energy dissipation systems
Dr. Garrett Hall <i>Structural</i>	◆Theoretical and computational solid mechanics ◆Constitutive theory ◆Microstructure and phase transition ◆Numerical algorithms and software development
Dr. Jim Hanson <i>Geotechnical</i>	◆Geotechnical and geoenvironmental engineering ◆Performance of waste containment facilities ◆Soft ground improvement methods ◆Large-scale experimental testing
Dr. Daniel Jansen <i>Structural</i>	◆High performance concrete ◆Reinforced concrete design ◆Experimental mechanics ◆Fracture mechanics ◆Use of recycled materials in civil applications
Dr. Damian Kachlakev <i>Structural</i>	◆Composite materials for structural applications ◆Strengthening and retrofit of bridges ◆Structural analysis ◆Finite element modeling ◆Paving materials
Dr. Eric P. Kasper <i>Structural</i>	◆Theoretical and computational solid mechanics ◆Constitutive theory and modeling ◆Numerical aspects of dynamics and stability ◆Finite element software development
Dr. Tryg Lundquist <i>Environmental</i>	◆Wastewater reclamation ◆Ponds & constructed wetlands ◆Algae mass culture ◆Metals biogeochemistry ◆Manure management ◆Biofuels ◆Wildlife refuge wetlands ◆Life cycle analyses ◆Small-scale drinking water treatment ◆Modeling of microbial processes
Dr. Sudeshna Mitra <i>Transportation</i>	◆Transportation safety ◆Travel behavior ◆Geographic Information System ◆Statistical and econometric modeling
Dr. Sara Moazzami <i>Structural</i>	◆Structural analysis and computer application ◆Earthquake resistant design of structures ◆Finite element analysis ◆Structural dynamics
Dr. Robb Moss <i>Geotechnical</i>	◆Soil mechanics ◆Geotechnical earthquake engineering ◆Engineering seismology ◆Reliability and probabilistic analysis ◆Seismic hazard analysis
Dr. Misgana Muleta <i>Water Resources</i>	◆Hydraulics ◆Water Resources Engineering ◆Water Resources Systems Analysis ◆Watershed Management ◆Stormwater Management ◆Hydroinformatics
Dr. Yarrow Nelson <i>Environmental</i>	◆Bioenvironmental engineering ◆Toxic metal pollutants ◆Bioremediation ◆Microbially-mediated contaminant transport and transformations ◆Phytoremediation ◆Pollution prevention ◆Biofuel production from wastewater
Dr. Nirupam Pal <i>Environmental</i>	◆Biodegradation of hazardous wastes (industrial waste, groundwater, soil) ◆Metabolic manipulation ◆Optimization of bioreactor configuration. ◆Microbial kinetics ◆Microbial production of value added products from spent wastes ◆Pollution prevention
Dr. Anurag Pande <i>Transportation</i>	◆Intelligent Transportation Systems ◆Vehicle Infrastructure Integration (VII) ◆Traffic Simulation ◆Statistical/Data Mining applications in Transportation Safety
Dr. Bing Qu <i>Structural</i>	◆Seismic Design of Steel Structures ◆Seismic Evaluation and Retrofit of Steel Bridges and Buildings ◆Buckling Behavior of Steel Structure ◆Performance of Seismically Designed Steel Structures under Multi-Hazard Loads
Dr. Ashraf Rahim <i>Transportation</i>	◆Pavement materials ◆Modified asphalt mixes ◆Soil stabilization ◆Pavement management systems
Dr. Shikha Rahman <i>Water Resources</i>	◆Water Resources Engineering ◆Open channel hydraulics ◆Sediment Transport ◆Turbulence and scalar diffusion ◆Environmental and experimental fluid mechanics ◆Plume tracking by aquatic organisms ◆Graphics and 3D visualization techniques
Dr. Tracy Thatcher <i>Environmental</i>	◆Indoor air pollution (sources, transport, fate) ◆Predicting and reducing exposure to airborne particles ◆Improving air quality in commercial and residential buildings