

Faculty

Herbert E. Allen

Professor
Ph.D., University of Michigan

354 DuPont Hall; (302) 831-8449;
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Research Interests:

Environmental chemistry; fate and effects of pollutants in water, sediment, and soil; bioavailability of trace metals; development of environmental standards; ecological risk assessment; analytical chemistry

Nii Attoh-Okine

Associate Professor
Ph.D., University of Kansas

343B DuPont Hall; (302) 831-4532; okine@ce.udel.edu



Research Interests:

Pavement design and analysis; pavement materials evaluation; civil infrastructure systems; probability graphical models in pavement engineering; MEMS applications in civil infrastructure systems; application of the Hilbert-Huang Transform

Daniel K. Cha

Associate Professor
Ph.D., UC Berkeley

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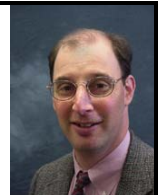
Research Interests:

Population dynamics of biological wastewater treatment processes; biotransformation of environmental contaminants in natural and engineered systems

Michael J. Chajes

Professor and Chair
Ph.D., UC Davis

301B DuPont Hall; (302) 831-2442; chajes@ce.udel.edu



Research Interests:

Bridge testing, evaluation, and rehabilitation; applications of advanced composite materials; structural analysis and design

Pei C. Chiu

Associate Professor
Ph.D., Stanford University

344B DuPont Hall; (302) 831-3104; pei@ce.udel.edu



Research Interests:

Kinetics and mechanisms of pollutant degradation; chemical and microbial reduction of organic compounds; elemental iron technologies for groundwater remediation and water and wastewater treatment

Steven K. Dentel

Professor
Ph.D., Cornell University

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dentel@udel.edu



Research Interests:

Application of colloid and interface science to water and wastewater treatment processes

Department of

CIVIL AND ENVIRONMENTAL ENGINEERING

at the University of Delaware

Faculty

Dominic M. Di Toro

Edward C. Davis Professor
Ph.D., Princeton University

356A DuPont Hall; (302) 831-4094; dditoro@ce.udel.edu



Research Interests:

Water quality modeling; water quality and sediment quality criteria models for organic chemicals, metals, mixtures; organic chemical and metal sorption models; statistical models

Ardeshir Faghri

Professor
Ph.D., University of Virginia

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Research Interests:

Transportation systems engineering; computer methods in transportation and traffic engineering; intelligent transportation systems; transportation in developing countries

John W. Gillespie Jr.

Donald C. Phillips Professor
Ph.D., University of Delaware

201C Composites Manufacturing Lab; (302) 831-8702; gillespie@ccm.udel.edu



Research Interests:

Composite materials; experimental mechanics; fracture mechanics; design; composites manufacturing; infrastructure rehabilitation; residual stress analysis; joining; fiber placement and fusion bonding

Chin-Pao Huang

Donald C. Phillips Professor
Ph.D., Harvard University

352C DuPont Hall; (302) 831-2441; huang@ce.udel.edu



Research Interests:

Industrial wastewater management; aquatic chemistry; in-situ physical-chemical soil remediation; chemistry of heavy metal and its control

Paul T. Imhoff

Associate Professor
Ph.D., Princeton University

344A DuPont Hall; (302) 831-0541; imhoff@ce.udel.edu



Research Interests:

Transport of fluids and contaminants in multiphase systems; mass transfer processes in soil, groundwater, and surface water; mathematical modeling

Victor N. Kaliakin

Associate Professor
Ph.D., UC Davis

360F DuPont Hall; (302) 831-2409; kaliakin@ce.udel.edu



Research Interests:

Computational geomechanics, constitutive modeling of geomaterials and polymers

Faculty

Arnold D. Kerr

Professor Emeritus
Ph.D., Northwestern University

360H DuPont Hall; (302) 831-2756; adkerr@ce.udel.edu



Research Interests:

Analysis of structures; engineering mechanics; railroad engineering; ice engineering

James T. Kirby

Edward C. Davis Professor
Ph.D., University of Delaware

205 Ocean Eng. Lab; (302) 831-2438; kirby@udel.edu



Research Interests:

Ocean surface waves, nearshore hydrodynamics and sediment transport; tsunamis; time series analysis

Nobuhisa Kobayashi

Professor
Ph.D., MIT

203 Ocean Eng. Lab; (302) 831-8044; nk@coastal.udel.edu



Research Interests:

Swash hydrodynamics, sediment transport mechanics, coastal structures, nearshore processes, beach erosion

Dov Leshchinsky

Professor
Ph.D., University of Illinois

360C DuPont Hall; (302) 831-2446; dov@ce.udel.edu



Research Interests:

Soil mechanics; slope stability engineering; reinforced soil; geosynthetics; soil behavior; foundation engineering

Jamie MacMahan

Assistant Professor
Ph.D., University of Florida

205 Ocean Eng. Lab; (302) 831-4172; macmahan@coastal.udel.edu



Research Interests:

Transportation asset management, life-cycle costing, application of advanced technologies, economic analysis, condition assessment and deterioration modeling, decision support

Jennifer Righman McConnell

Assistant Professor
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Research Interests:

Bridge engineering, structural engineering, behavior of steel members

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Sue McNeil

Professor
Ph.D., Carnegie Mellon University

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Research Interests:

Transportation asset management, life-cycle costing, application of advanced technologies, economic analysis, condition assessment and deterioration modeling, decision support

Christopher L. Meehan

Assistant Professor
Ph.D., Virginia Tech

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Research Interests:

Shear behavior of soils under static and dynamic loading conditions, including the development of soil and strength characterization methods that are practical, economical, and theoretically robust

Dennis R. Mertz

Professor
Ph.D., Lehigh University

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Research Interests:

Structural engineering; concrete and steel structures; bridges

Jack Puleo

Assistant Professor
Ph.D., University of Florida

203 Ocean Eng. Lab; (302) 831-2440; jpuleo@coastal.udel.edu



Research Interests:

Inner surf and swash zone hydrodynamics and sediment transport; computational fluid dynamics; sediment suspension in turbulent flows; video-based remote sensing of nearshore processes; boundary layers

Harry W. Shenton III

Associate Professor
Ph.D., Johns Hopkins University

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Research Interests:

Structural health monitoring and damage identification, bridge testing and evaluation, response of wood frame structures, application of bio-based composite materials in civil infrastructure

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