Civil and Environmental Engineering

Department Information

- **Department Chair:**
  David R. Steward, Ph.D.

- **Graduate Program Coordinator:**
  Kalpana Katti, Ph.D.

- **Department Location:**
  201 Civil and Industrial Engineering Bldg.

- **Department Phone:**
  (701) 231-7244

- **Department Web Site:**
  www.ndsu.edu/cee/ (http://www.ndsu.edu/cee/)

- **Application Deadline:**
  February 15 for fall admission; September 15 for spring admission

- **Credential Offered:**
  Ph.D., M.S.

- **English Proficiency Requirements:**
  TOEFL iBT 71, IELTS 6

Beena Ajmera, Ph.D.
Virginia Polytechnic Institute and State University, 2015
Research Interests: Geotechnical Earthquake Engineering, Static and Dynamic Behavior of Soils and Rocks, Static and Dynamic Laboratory Soil Testing, Fundamental Behavior of Geomaterials from Mineralogical and Chemical Analyses, Use of Recycled Materials in Soil Modification, Ground Improvement Techniques, Soil and Rock Slope Stability

Achintya N. Bezbaruah, Ph.D.
University of Nebraska-Lincoln, 2002
Research Interests: Environmental sensors, Recalcitrant and micro pollutants, Contaminant fate and transport, Small community water and wastewater treatment, Environmental management

Xuefeng (Michael) Chu, Ph.D.
University of California, Davis, 2002

Ying Huang, Ph.D.
Missouri University of Science & Technology, 2012
Research Interests: Structural Health Monitoring/Smart Structures for Transportation Infrastructure, Intelligent Transportation Systems, Applications of Adaptive and Smart Materials, Finite Element Modeling and Multi-Hazard Assessment and Mitigation

Syeed Md Iskander, Ph.D.
Virginia Polytechnic Institute and State University, 2019

Dinesh Katti, Ph.D., P.E.
University of Arizona, 1991
Research Interests: Geotechnical Engineering, Constitutive Modeling of Geologic Materials, Expansive Soils, Multiscale Modeling, Steered Molecular Dynamics, Computational Mechanics, Nanocomposite, and Bio-nanocomposites. Computational Biophysics

Kalpana Katti, Ph.D.
(Graduate Coordinator)
University of Washington, 1996
Research Interests: Advanced Composites, Nanomaterials, Biomaterials, Biomimetics, Materials Characterization and Modeling, Analytical Electron Microscopy, and Microspectroscopy, Bone Tissue engineering

Trung B. Le, Ph.D.
University of Minnesota

Wei Lin, Ph.D.
State University of New York at Buffalo
Research Interests: Water and Wastewater Treatment, Hazardous Waste Management

Zhibin Lin, Ph.D., P.E.
University of Wisconsin, 2010
Research Interests: Advanced Materials, High-Performance, Resilient and Sustainable Bridge Systems, Structural Durability and Structural Health Monitoring in Bridges and Earthquake Engineering

Kelly Rusch, Ph.D., P.E.
Louisiana State University, 1992
Research Interests: Microbial System Design and Modeling, Biofuels and Bioproducts, Engineering Education Research, Aquaculture Engineering, and Water and Wastewater Treatment.

David R. Steward, Ph.D., P.E., PG, F.ASCE
University of Minnesota
Research Interests: Engineering Mathematical and Computational Methods, Groundwater Flow and Analysis, Interdisciplinary Water Resources: Water and Society

Wenjie Xia, Ph.D.
Northwestern University, 2016
Research Interests: Multiscale Modeling of Structural Materials, Polymer and Nanocomposites, Granular and Soft Matters, Bioinspired Materials, Mechanobiology, Computational Mechanics, Data-Enabled Design of Multifunctional Materials

Mijia Yang, Ph.D., P.E.
University of Akron, 2006
China University of Mining and Technology, 1999
Research Interests: Advanced Materials, Structural Assessment, Solid Mechanics

Ravi Kiran Yellavajjala, Ph.D., P.E.
University of Notre Dame, 2014

Adjunct & Emeritus

Eakalak Khan, Ph.D. (adjunct)
University of California, Los Angeles, 1997
Research Interests: Water and Wastewater Quality, Water and Wastewater Treatment, and Storm Water and Non-point Source Pollution

Denver D. Tolliver, Ph.D. (adjunct)
Virginia Polytechnic University, 1989
Research Interests: Transportation, Planning and Economics

Robert Zimmerman, Ph.D. (adjunct)
North Dakota State University, 1991
Research Interests: Water and Wastewater Treatment, Solid Waste

G. Padmanabhan, Ph.D. (emeritus)
Purdue University, 1980
Research Interests: Stochastic Hydrology, Water Resource Systems, and Hydrologic Modeling