Civil and Environmental Engineering

Department Information

- **Department Chair:**
  Xuefeng Chu, 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

FACULTY

**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 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

**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