Construction Management and Engineering

Department Information

- **Interim Department Chair:**
  Xuefeng (Michael) Chu, Ph.D.
- **Graduate Coordinator:**
  Kalpana Katti, Ph.D.
- **Department Location:**
  Engineering 106
- **Department Phone:**
  (701) 231-6202
- **Department Web Site:**
  www.ndsu.edu/construction/ (http://www.ndsu.edu/construction/)
- **Application Deadline:**
  Fall: May 1; Spring: October 1 for M.S. and Master of Construction Management, November 1 for Certificate
- **Credential Offered:**
  MSCM, MCM, CCM
- **Test Requirement:**
  GRE (M.S. applicants)
- **English Proficiency Requirements:**
  M.S.: TOEFL iBT: 81, IELTS: 7, PTE Academic 54; Master of Construction Management: TOEFL iBT: 79, IELTS: 6.5, PTE Academic: 53

FACULTY

**Eric Asa, Ph.D.**
Associate Professor
University of Alberta, 2002
Research Interests: Infrastructure and Assets Management, Construction Materials, Engineering Education, Computational Modeling

**Abdul-Aziz Banawi, Ph.D.**
Assistant Professor
University of Pittsburgh, 2013
Research Interests: Life Cycle Assessment, Building Information Modeling, Building Construction - Virtual Reality, Green Buildings and Sustainability, Lean Construction and Six-Sigma

**Zhili (Jerry) Gao, Ph.D., P.E., C.P.C**
Associate Professor and Associate Chair
Iowa State University, 2004
Research Interests: Lean Construction, Virtual Design and Construction (Visualization, BIM Development and Implantation), Advanced Concrete Techniques (Sustainable Concrete, New Concrete Materials and Structures)

**Youjin Jang, Ph.D.**
Assistant Professor
Seoul National University, 2017
Research Interests: Construction Automation, Human-Robot Collaboration, Human-Building Interaction, Sustainability, Data Analytics, Data-driven Decision Making, Emerging Technologies Adoption

**Chau Le, Ph.D.**
Assistant Professor
Texas A&M University, 2021
Research Interests: Applications of Data Analytics and Artificial Intelligence, Alternative Contracting Methods, Sustainable and Resilient Infrastructure, Emerging Technologies and Robotics, Human Safety and Health

**Yao Yu, Ph.D.**
Assistant Professor
North Carolina A&T State University, 2014
Research Areas: Building Energy Conservation Technology, Computational Airflow Modeling, and HVAC System Design and Simulation