Mechanical Engineering

Department Information

- **Department Chair:**
  Alan Kallmeyer, Ph.D.
- **Graduate Coordinator:**
  Yechun Wang, Ph.D.
- **Department Location:**
  111 Dolve Hall
- **Department Phone:**
  (701) 231-8671
- **Department Email:**
  ndsu.me.gradprogram@ndsu.edu
- **Department Web Site:**
  [www.ndsu.edu/me/](http://www.ndsu.edu/me/)
- **Application Deadline:**
  February 15 for fall semester; September 15 for spring semester. Applications received after the deadline will still be considered, but preference is given to those submitted by the deadline.
- **Credential Offered:**
  Ph.D., M.S.
- **English Proficiency Requirements:**
  TOEFL iBT 71, IELTS 6; Duolingo 100

**Fardad Azarmi, Ph.D.**
University of Toronto, 2008
Research Interests: Thermal Spray Coatings, Thin Film, Multiscale Engineering Analysis, Finite Element Analysis, Failure in Materials, Corrosion, Materials Characterization, High Temperature Materials, Composite Structures, Metal Foams, Functionally Graded Materials

**Jordi Estevadeordal, Ph.D.**
University of Houston, 1996

**Adam Gladen, Ph.D.**
University of Minnesota, 2014

**Inbae Jeong, Ph.D.**
Korea Advanced Institute of Science and Technology, 2017
Research Interests: Robotics and Artificial Intelligence

**Long Jiang, Ph.D.**
Sichuan University, 2003

**Alan R. Kallmeyer, Ph.D.**
University of Iowa, 1995
Research Interests: Theoretical, Computational, and Experimental Solid Mechanics, Fatigue and Fracture of Engineering Materials, Composite Materials

**Ghodrat Karami, Ph.D.**
Imperial College of Science and Technology, University of London, 1984
Research Interests: Multiscale Computational Solid Mechanics, Biomechanics, Cellular Mechanics, Micromechanics Characterization of Composites, Continuum Mechanics, Structural Mechanics, Nonlinear and Large Deformation and Analysis, Thermoelastic Analysis

**Sumathy Krishnan, Ph.D.**
Indian Institute of Technology, 1995
Mechanical Engineering


**Majura Selekw, Ph.D.**  
Florida A&M University, 2001  
Research Interests: Robotics, Machine Intelligence, Soft computing Applications, Numerical Methods and Numerical Optimization, Optimal and Robust Control, Smart Actuation Control Systems, Real-Time Control in Mechatronics

**Yildirim Bora Suzen, Ph.D.**  
Wichita State University, 1998  
Research Interests: Computational Fluid Dynamics, Aerodynamics, Modeling of Industrial Transport Processes, Transition and Turbulence Modeling, Active/Adaptive Flow Control, Turbo machinery, Multiprocessor CFD

**Annie X.W. Tangpong, Ph.D.**  
Carnegie Mellon University, 2006  
Research Interests: Vibrations and Dynamics, Tribology, Friction Damping in Rotating Structures, Friction Damping in Nano- and Bio-materials

**Chad A. Ulven, Ph.D.**  
University of Alabama at Birmingham, 2005  

**Jessica L. Vold, Ph.D.**  
North Dakota State University, 2012  

**Xinnan Wang, Ph.D.**  
University of South Carolina, 2008  
Research Interests: Experimental Biomechanics, Synthesis of Nanomaterials, Nanomechanical Characterization, Nanomanipulation

**Yechun Wang, Ph.D.**  
University of Maryland, 2007  
Research Interests: Microfluidics, Biofluid Mechanics, Computational Fluid Dynamics, Numerical Analysis, and Characterization of Organic Coatings

**Xiangfa Wu, Ph.D.**  
University of Nebraska-Lincoln, 2003  
Beijing Institute of Technology, 1998  
Research Interests: Nanofabrication and Nanomaterials, Advanced Composites, Fracture and Impact Mechanics

**Yan Zhang, Ph.D.**  
Iowa State University, 2013  