Mechanical Engineering

Department Information

- **Department Chair:**
  Alan Kallmeyer, Ph.D.
- **Graduate Coordinator:**
  Ghodrat Karami, 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 79 IELTS 6.5

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

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

Robert V. Pieri, Ph.D.
Carnegie-Mellon University, 1987
Research Interests: Design, Materials and Nanomaterials Characterization, Instructional Pedagogy, Fracture Mechanics, Measurements, Alternative Energy, and Industrial Support

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  