Department Information

- **Department Chair:**
  Simone Ludwig, Ph.D.
- **Program Coordinator:**
  Saeed Salem, Ph.D.
- **Department Location:**
  258 QBB
- **Department Phone:**
  (701) 231-8562
- **Department Email:**
  gradinfo@cs.ndsu.edu
- **Department Web Site:**
  ndsu.edu/cs/ (http://ndsu.edu/cs/)
- **Application Deadline:**
  February 1 for fall admission; September 1 for spring admission* No summer admission for any Software Engineering Program
- **Credential Offered:**
  Ph.D., M.S., M.S.E, Certificate
- **English Proficiency Requirements:**
  TOEFL iBT 79; IELTS 6.5

Department Faculty

**Anne Denton, Ph.D.**
University of Mainz, 1996
Research Interests: Data Mining, Bioinformatics, Scientific Informatics, Databases, Geospatial Data, Cloud Computing

**Jun Kong, Ph.D.**
University of Texas, Dallas, 2005
Research Interests: Human Computer Interaction, Mobile Computing, Software Engineering

**Pratap Kotala, Ph.D.**
North Dakota State University, 2015
Research Interests: Software Engineering

**Juan (Jen) Li, Ph.D.**
University of British Columbia, 2008
Research Interests: Smart and Connected Health, Semantic Web Technologies, Internet of Things (IoT)

**Lu Liu, Ph.D.**
University of Texas San Antonio, 2017
Research Interests: Bioinformatics, Data Mining, Machine Learning, Data Science

**Simone Ludwig, Ph.D.**
Brunel University, 2004
Research Interests: Swarm Intelligence, Evolutionary Computation, Deep Neural Networks, Fuzzy Reasoning, Machine Learning

**Kenneth Magel, Ph.D.**
Brown University, 1977
Research Interests: Software Engineering, Human-Computer Interfaces, Software Complexity, and Software Design

**M. Zubair Malik, Ph.D.**
University of Texas at Austin, 2014
Research Interests: Program Analysis, Automated Program Repair, Secure Software Development, Software Verification-Validation and Testing, Software Systems (especially large scale Distributed Systems for Data science and Machine Learning), Formal Methods, Application of Artificial Intelligence in Program Analysis

**Oksana Myronovych, Ph.D.**
North Dakota State University, 2009
Research Interests: Software Engineering

**Saeed Salem, Ph.D.**
Rensselaer Polytechnic Institute, 2009
Research Interests: Bioinformatics, Machine Learning and Data Mining

**Jeremy Straub, Ph.D.**
University of North Dakota, 2015
Research Interests: Multi-tier Mission Architecture & Control, Autonomous Data Link Reduction, Autonomous Vehicle Control, Machine Vision, Super Resolution

**Vasant Ubhaya, Ph.D.**
University of California-Berkeley, 1971
Research Interests: Algorithm Analysis, Approximation and Optimization

**Changhui Yan, Ph.D.**
Iowa State University, 2005
Research Interests: Bioinformatics, Computational Biology, Genomics, Machine Learning, Data Mining, Big Data, Cloud Computing

**Affiliate Faculty**

**Kendall Nygard, Ph.D.**
Virginia Polytechnic Institute and State University, 1978
Research Interests: Data Science, Optimization, Cybersecurity, Smart Grid, Sensor Networks, Agents, Simulation, Artificial Intelligence, Adaptive Systems, Swarm Intelligence

**Gursimran Walia, Ph.D.**
Mississippi State University, 2009

**Otto Borchert, Ph.D.**
North Dakota State University, 2015
Research Interests: Artificial Intelligence, Educational Games, STEM Learning