Computer Science

Department Information

• **Department Chair:**  
  Simone Ludwig, Ph.D.

• **Graduate Program Coordinator:**  
  Changhui Yan, Ph.D.

• **Department Location:**  
  258 QBB

• **Department Phone:**  
  (701) 231-8562

• **Department Email:**  
  gradinfo@cs.ndsu.edu

• **Department Web Site:**  
  [www.ndsu.edu/cs/](http://www.ndsu.edu/cs/)

• **Application Deadline:**  
  February 1 priority deadline for fall semester; September 1 for spring semester**

• **Credential Offered:**  
  Ph.D., M.S.

• **English Proficiency Requirements:**  
  TOEFL ibt 79; IELTS 6.5; Duolingo 105

**Zahid Anwar, Ph.D.**  
University of Illinois at Urbana-Champaign, 2008  
Research Interests: Cybersecurity Policy and Law, Artificial Intelligence and Machine Learning

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

**Ajay Jha, Ph.D.**  
Kyungpook National University, 2017  
Research Interests: Software Engineering, Software Testing and Maintenance

**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

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