

Xiaoping Qian

Associate Professor
Department of Mechanical Engineering
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Professional Preparation

Huazhong University of Science and Technology, China	Mech. Engineering	B.S.	1992
Huazhong University of Science and Technology, China	Mech. Engineering	M.S.	1995
The University of Michigan	Mech. Engineering	Ph.D.	2001

Appointments

2014 – present	Associate Professor, Department of Mechanical Engineering, The University of Wisconsin, Madison
2010 – 2013	Associate Professor, Mechanical, Materials and Aerospace Engineering, Illinois Institute of Technology
2004 – 2010	Assistant Professor, Mechanical, Materials and Aerospace Engineering, Illinois Institute of Technology
2001 – 2004	Research Scientist, Product Realization Lab, General Electric Global Research Center

Other Appointments

2010 Fall	Sabbatical Visit, Technical University of Denmark
2006 Summer	Guest Researcher, National Institute of Standards and Technology
2005 Summer	ASEE/AFOSR Summer Fellow, Air Force Research Laboratory

Synergistic Activities

1. Associate Editor: ASME *Journal of Computing and Information Science in Engineering*, ASME *Journal of Manufacturing Science in Engineering*, and *Journal Computer-Aided Design*
2. Created graduate courses *Statistical Shape Modeling*, *Design Optimization* and *Computer-Aided Geometric Design*. Taught undergraduate *Machine Design* and *CAD* courses

Honors

- ASME Fellow, 2015
- 4 Best paper awards

Research interests

- Geometric modeling
- Isogeometric analysis
- Shape optimization
- Topology optimization