Biographical Sketch: Shaoping Xiao

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Professional Preparation

University of Science and Technology of China  Mechanical and Mechanics Engineering  BS 1995
University of Science and Technology of China  Mechanical and Mechanics Engineering  MS 1998
Northwestern University  Mechanical Engineering  PhD 2002
Northwestern University  Mechanical Engineering  Post Doctorate 2003

Appointments
Assistant Professor  Department of Mechanical and Industrial Engineering, The University of Iowa  2003-2008
Associate Professor  Department of Mechanical Engineering, The University of Iowa  2008-2023
Professor  Department of Mechanical Engineering, The University of Iowa  2023-

Publications


70. Li, J., Cai, M., and Xiao, S. P., “Reinforcement learning-based motion planning in partially observable environments under ethical constraints,” Al and Ethics (2024)

Currently Funded Project


Synergistic Activities

[1] Member, ASME, ASCE, ASEE, USACM, IACM, SAE, IEEE Computer Society
[2] Reviewer, NSF & other proposals (50+), Journal & Conference publications (600+), books (2+)
[6] Editorial Board of Scientific Reports (2023-)
[8] Director of the Division of Systems and Sensors at the Iowa Technology Institute (2020-)
[9] Faculty Advisor of oSTEM (2019-)
[10] Chair of ITI-DEI committee (2022-)
[11] Director of Undergraduate AIMS (Artificial Intellgience, Modeling & Simulation) certificate program

Others

The best DEI paper in the Ocean and Marine Engineering Division, ASEE 2022 Annual Conference
Featured article in Journal of Micromechanics and Molecular Physics, 2017-2022
Best subcontractor of NextGen Aeronautics, 2006
ASME Certificate of Appreciation, ASME, 2005
Second Old Gold summer fellowship, University of Iowa, 2005
Best paper award of 116th annual meeting, The Iowa Academy of Science, 2004