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Education

- 2000 Ph.D. Mechanical Engineering, University of California, Berkeley, USA (advisor: Dr. David Dornfeld)
- 1992 M.S. Mechanical Engineering, National Taiwan University, Taipei, Taiwan
- 1990 B.S. Mechanical Engineering, National Taiwan University, Taipei, Taiwan

Professional Experience

- Since 2010/8 Professor, Department of Industrial Engineering and Engineering Management
National Tsing Hua University, Hsinchu, Taiwan
- 2024/8~2024/12 Visiting Professor, Department of Mechanical Engineering (host: Dr. Sangkee Min),
University of Wisconsin-Madison, USA
- 2017/10~2018/9 Adjunct Researcher, National Center for High-Performance Computing, Hsinchu, Taiwan
- 2017/8~2018/7 Visiting Professor, Department of Mechanical and Aerospace Engineering (host: Dr.
Barbara Linke), University of California, Davis, USA
- 2015/2~2017/7 Honorable Visiting Professor, School of Engineering
University of Liverpool, UK
- 2014/6~2014/8 Visiting Professor, Department of Mechanical Engineering (host: Dr. David Dornfeld)
University of California, Berkeley, USA
- 2009/8~2012/7 Director of International Affairs, College of Engineering
National Tsing Hua University, Hsinchu, Taiwan
- 2006/8~2010/7 Associate Professor, Department of Industrial Engineering and Engineering Management
National Tsing Hua University, Hsinchu, Taiwan
- 2002/8~2006/7 Assistant Professor, Department of Industrial Engineering and Engineering Management
National Tsing Hua University, Hsinchu, Taiwan
- 2005/8~2005/9 Invited Professor, CREDITS, Sungkunkwan University, Suwon, Korea
- 2002/12~2010/7 Senior Consultant, StandFord Corp., Taoyuan, Taiwan
- 2001/12~2002/7 Assistant Professor, Department of Industrial and Systems Engineering,
Virginia Tech, Blacksburg, USA
- 2000/6~2001/11 Web Applications Engineer, RedSpark-Autodesk, San Francisco, USA
- 1996/8~2000/5 Research Assistant, Laboratory for Manufacturing Automation,
University of California, Berkeley, USA
- 1994/10~1995/6 Research Assistant, National Taiwan University, Taipei, Taiwan

- 1993/9~1994/10 Visiting Scholar, WZL (Laboratory for Machine Tools and Production Engineering), RWTH Aachen, Germany

Scholarly and Professional Honors

- ASME 2024 Outstanding Associate Editor of the Year
- Best Paper Award, 2022 ASME International Design Engineering Technical Conferences, St Louis, USA
- Excellent Industrial Collaboration Award (2021), National Tsing Hua University
- Outstanding Research Award (2018), Minister of Science and Technology, Taiwan
- Excellent Teaching Award (2017), College of Engineering, National Tsing Hua University
- Most Cited Article Award (2016), International Journal of Precision Engineering and Manufacturing
- Honorable Mentioned Paper Award, IEEE International Conference on Industrial Engineering and Engineering Management 2015, Singapore
- Most Cited Article Award (2015), International Journal of Precision Engineering and Manufacturing
- Best Paper Award, IEEE International Conference on Industrial Engineering and Engineering Management 2014, Malaysia.
- Research Award, Sayling Wen Foundation, 2012.
- Best Paper Award, 2012 ISPC: Interdisciplinary Design in Asia, Hsinchu, Taiwan.
- Excellent Industrial Collaboration Award (2012), College of Engineering, National Tsing Hua University
- Excellent Teaching Award (2011), College of Engineering, National Tsing Hua University
- Ta-You Wu Memorial Award (2007), National Science Council, Taiwan (equivalent to NSF CAREER Award; the first IE faculty member in the nation to win this award)
- Highly Recommended Paper Award, International Conference on Manufacturing Automation 2007, Singapore
- Young Faculty Research Award (2005), National Tsing Hua University
- Ph.D. Student Fellowship, Department of Mechanical Engineering, UC Berkeley, 1996-1997
- Member of the Phi-Tau-Phi Scholastic Honor Society, 1992

Professional Society Memberships

- Fellow, CIIE (Chinese Institute of Industrial Engineers)
- Member, ASME (Society of the American Society of Mechanical Engineers), since 2001
- Senior Member, IEEE (Institute of Electrical and Electronics Engineers), since 2006
- Member, SME (Society of the Society of Manufacturing Engineers), since 2002

Journal Editorial Activities:

- Associate Editor, Journal of Engineering Design, since 2022/7.
- Associate Editor, Journal of Computing and Information Science in Engineering, since 2021/1.

- Editorial Board Member, International Journal of Precision Engineering and Manufacturing-Green Technology, since 2014/1.
- Editor in Chief, Journal of Industrial and Production Engineering, 2011/1~2020/7.
- Editor, International Journal of Precision Engineering and Manufacturing, 2011/1~2018/12.
- Editorial Board Member, International Journal of Computer Integrated Manufacturing, since 2014/1.
- Associate Editor, IEEE Transactions on Automation Science and Engineering, 2009/1~2013/12.
- Editor, Cogent Engineering, since 2015/1.
- Editorial Board Member, International Journal of Manufacturing Research, since 2013/1.
- Editorial Board Member, Journal of Integrated Design & Process Science, since 2012/1.
- Senior Editor, Journal of the Chinese Institute of Industrial Engineers, 2008/1~2010/12.
- Guest Editor, Special Issue “Extended Reality in Design and Manufacturing,” Journal of Computing and Information Science in Engineering, 2023.
- Guest Editor, Special Issue “Symbiotic Human-AI Partnership for Next Generation Factories,” Journal of Computing and Information Science in Engineering, 2022.
- Guest Editor, Special Issue “Augmented Reality in Smart Manufacturing,” Journal of Manufacturing Systems, 2021.
- Guest Editor, Special Issue “Scientific Advances in Product Experience Engineering,” Journal of Intelligent Manufacturing, 2014.
- Guest Editor, Special Issue “Depth Cameras Based Techniques and Applications in Design, Manufacturing and Services,” Journal of Manufacturing Systems, 2013.
- Guest Editor, Journal of Intelligent Manufacturing, Special Issue “Mass Customization and Personalization for Product and Service,” 2010.
- Guest Editor, Journal of Intelligent Manufacturing, Special Issue “Design Chain Management,” 2009.
- Guest Editor, Computers in Industry, Special Issue “Computer Techniques in Design and Manufacturing of Soft Products,” 2008.