

CV of Jie Sun

Academic Qualifications:

- PhD in Applied Mathematics (1986), University of Washington, USA
- MSc in Operations Research (1983), University of Washington, USA
- BS (equivalence) in Engineering Mechanics (1970), Tsinghua University, PRC

Employment History:

- Assistant Professor (1986-92), Northwestern University (USA)
- Senior Lecturer (1993-97), Associate Professor (1998-2002), Professor (2002-08), National University of Singapore
- Chair Professor (2009-14), National University of Singapore
- Professor (2014-Present), National University of Singapore and Curtin University, Australia

Research Work:

Specialized in operations research and mathematical optimization in particular in interior point methods, semismooth Newton's methods, and convex optimization. Has been working in MIT and ETH as a visiting scientist.

Career Highlight:

- Fellow of Singapore-MIT Alliance
- Outstanding Faculty Researcher, National University of Singapore
- Outstanding University Researcher, National University of Singapore
- Highly Cited Mathematician 2003-2012 (Institute of Scientific Information)

Editorship, Conference Committees and Plenary Talks:

- Co-editor of Pacific Journal of Optimization
- Associate Editor of Mathematical Programming
- Associate Editor of Optimization Methods and Software
- Associate Editor of Journal of Industrial and Management Optimization
- Chair of Advisory Committee of Asia-Pacific Journal of Operational Research
- Chair of Pacific Optimization Research Activity Group 2011-14
- Plenary Speech at more than 25 International Conferences
- Chair or Committee Member of more than 35 International Conferences

Funding

- Won over 3 million dollars in competitive research projects
- Currently has 4 ongoing projects with *National Science Foundation of China, Hong Kong Graduate Research Foundation, and Australia Research Council* of over 1 million dollars

Three most cited publications (career citations >3800, h-index=29 by Google)

1. L.Qi, J. Sun, "A Nonsmooth Version of Newton's Method" ", *Mathematical Programming*, 58 (1993) 353-367
2. D. Sun, J. Sun, "Semismooth Matrix Valued Functions", *Mathematics of Operations Research*, 27 (2002) 150-169
3. W. Chen, M. Sim, J. Sun, C. Teo, "From CVaR to Uncertainty Set: Implications in Joint Chance Constrained Optimization" *Operations Research* 58 (2010) 470-485