# Ni Sheng

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# Academic Qualification

- Ph.D. The University of Hong Kong (2002-2005)
- MEng Nanyang Technological University, Sngapore (1998-2000)
- BSc Zhejiang University (1991-1995)

# Research & Teaching Area

Statistics, Decision Modeling, Environmental modeling for environmental management and urban planing.

# Awards & Honours/Appointments (Selected)

#### Awards & Honours

- The 5th Outstanding Achievement Awards for Macao Research in Humanities and Social Sciences Outstanding Prize (2019)
- ♦ Macao Science and Technology Progress Award 3rd Prize by Macao SAR (2016)
- ♦ BOC Excellent Research Award by Macau University of Science and Technology (2014)

# Working Experience

- Executive Vice Dean / School of Business / Macau University of Science and Technology (2020-present)
- Vice Dean / School of Business / Macau University of Science and Technology (2018-2020)
- Professor / School of Business / Macau University of Science and Technology (2017present)
- Assistant Dean / School of Business / Macau University of Science and Technology (2013-2018)
- > Associate Professor / School of Business / Macau University of Science and Technology

(2012-2017)

- > Assistant Professor / Macau University of Science and Technology (2007-2012)
- > Postdoctoral Scholar / University of California, Berkeley (2006-2007)
- Research Associate / The University of Hong Kong (2005-2006)
- > Research Engineer / Data Storage Institute, National University of Singapore (2000-2002)

### Academic Publications (selected)

#### Journal Papers

- Hsiao YL, Wei XY, Sheng N, Shao CW. A joint test of policy contagion with application to the solar sector. *Renewable & Sustainable Energy Reviews*, 2021, 141:110762. [SSCI/SCI, 2019 IF: 12.11, ranking: 2.4% in Green & Sustainable Science & Technology].
- Chen C, Yao Z, Wen ZG, Sheng N. Impact of city characteristics on its phosphorus metabolism in the bay area: A comparative analysis of cities in the Greater Bay Area of China. *Journal of Cleaner Production*, 2021, 286:124925. [SCI, 2019 IF 7.246, ranking: 7.2% in Environmental Sciences]

*Environment*, 2016, 554: 73-82. [SCI, 2019 IF 6.551, ranking: 8.3% in Environmental Sciences]

- 12. **Sheng N**, Tang UW. The first official city ranking by air quality in China A review and analysis. *Cities*, 2016, 51: 139-149. [SSCI, 2019 IF 4.802, ranking: 4.8% in Urban Studies]
- Dai BL, Sheng N\*, He YL, Xu JM, Zhu AF. An inland waterway traffic noise prediction model for environmental assessment in China. *International Journal of Environmental Science and Technology*, 2016, 13: 1235-1244. [SCI, 2019 IF 2.54, ranking: 47.2% in Environmental Sciences]
- Choy KL, Sheng N\*, Lam HY, Lai IKW, Chow KH, Ho GTS. Assess the effects of different operations policies on warehousing reliability. *International Journal of Production Research*, 2014, 52: 662-678. [SCI, 2019 IF 4.577, ranking: 13.2% in Operations Research & Management Science]
- 15. **Sheng N**, Tang UW. Zhuhai. *Cities*, 2013, 32: 70-79. [SSCI, 2019 IF 4.802, ranking: 4.8% in Urban Studies]
- Sheng N, Tang UW. Risk assessment of traffic-related air pollution in a world heritage city. International Journal of Environmental Science and Technology, 2013, 10: 11-18. [SCI, 2019 IF 2.54, ranking: 47.2% in Environmental Sciences]
- Sheng N, Tang UW. A building-based data capture and data mining technique for air quality assessment. *Frontiers of Environmental Science & Engineering*, 2011, 5: 543-551. [SCI, 2019 IF 4.053, ranking: 25.7% in Environmental Sciences]
- Sheng N, Tang UW. Spatial analysis of urban form and pedestrian exposure to traffic noise. International Journal of Environmental Research and Public Health, 2011, 8: 1977-1990. [SCI, SSCI, 2019 IF 2.849, ranking: 18.8% in Public, Environmental & Occupational Health]
- 19. Sheng N, Li SF. A multi-scale non-equilibrium molecular dynamics algorithm and its applications. *International Journal of Applied Mechanics*, 2009, 1: 405-420. [SCI]
- 20. Tang UW, Sheng N. Macao. Cities, 2009, 24: 220-231. [SSCI]
- Li SF, Sheng N. On multiscale non-equilibrium molecular dynamics simulations. International Journal for Numerical Methods in Engineering, 2010, 83(8-9): 998-1038. [SCI]
- Wu D, Lo SH, Sheng N, Sze KY. Universal three-dimensional connection hexahedral elements based on hybrid-stress theory for solid structures. *International Journal for Numerical Methods in Engineering*, 2010, 81(3): 307-334. [SCI]
- 23. **Sheng N**, Li SF. A non-equilibrium multiscale simulation of shock wave propagation. *Mechanics Research Communications*, 2008, 35: 10-16. [SCI]
- 24. Li SF, **Sheng N**, Liu XH. A non-equilibrium multiscale simulation paradigm. *Chemical Physics Letters*, 2008, 451: 293-300. [SCI]
- 25. Liu XH, Li SF, **Sheng N**. A cohesive finite element for quasi-continua. *Computational Mechanics*, 2007, 42: 543-553. [SCI]
- Sheng N, Sze KY, Cheung YK. formalism and boundary-collocation method. International Journal for Numerical Methods in Engineering, 2006, 65: 2113-2138. [SCI]
- 27. **Sheng N**, Sze KY. Multi-region Trefftz boundary element method for fracture analysis in plane piezoelectricity.

[SCI]

- 29. Jin WG, **Sheng N**, Sze KY, Li J. Trefftz indirect methods for plane piezoelectricity. *International Journal for Numerical Methods in Engineering*, 2005, 63: 139-158. [SCI]
- 30. Sze KY, Chen JS, **Sheng N**, Liu XH. Stabilized conforming nodal integration: exactness and variational justification. *Finite Elements in Analysis & Design*, 2004, 41: 147-171. [SCI]
- 31. Fan SC, (pen 5)()),443.0266 Whip.96006336000(),443.0266 Whip.960022.29942360(),443.026