Ni Sheng

Professor
Macau University of Science and Technology
School of Business
Macau Environmental Research Institute

Office：O917
Tel.： +853-88972870
E-mail： nis@must.edu.mo

Academic Qualification

Ph.D. The University of Hong Kong (2002-2005)

MEng Nanyang Technological University, Singapore (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 (2017-present)
- ➢ 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

1. 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].
2. 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]
3. Hsiao YL, Ai D, Wei XY, **Sheng N**. The contagious effect of China's energy policy on stock markets: The case of the solar photovoltaic industry. *Renewable Energy*, 2021, 164:74-86. [SSCI/SCI, 2019 IF: 6.274, ranking: 17.0% in ENERGY & FUELS]
4. Hsiao YL, Ou YL, **Sheng N**, Wei XY. Measuring contagion effects of nuclear energy policies and events. *International Journal of Energy Research*, 2021 Jan (published online) [SCI, 2019 IF: 3.741, ranking: **2.9%** in NUCLEAR SCIENCE & TECHNOLOGY]
5. Dai BL, **Sheng N**, Zhao W, Mu FH, He LY. Evaluation of urban inland waterway traffic noise using a modified Nord 2000 prediction model. *Environmental Research*, 2020, 185: 109437. [SCI, 2019 IF 5.715, ranking: 7.8% in Public, Environmental & Occupational Health]
6. Chen H, Li XY, Lu XR, **Sheng N**, Zhou W, Geng HP, Yu SW. A multi-objective optimization approach for the selection of overseas oil projects. *Computers & Industrial Engineering*, 2021, 151, Article No: 106977. [SCI, 2019 IF 4.135, ranking: 16.5% in Computer Science, Interdisciplinary Applications]
7. Wei XY, Che HY, **Sheng N**, Hsiao CYL, Tong Q, Yan GY. Research on the development status of China's renewable energy industry - The impact of capital structure on company performance. Frontiers in Energy Research, 2020, 8, Article No: 71. [SCI, 2019 IF 2.746, ranking: 55.3% in Energy & Fuels]
8. Dai BL, **Sheng N***, He YL, Mu FH, Xu JM, Zhu AF. Development of an inland waterway traffic noise prediction model considering water surface adsorption and embankment shielding influences. *International Journal of Environmental Science and Technology*, 2019, 16: 5927-5936. [SCI, 2019 IF 2.54, ranking: 47.2% in Environmental Sciences]
9. Zhu LC, Song QB*, **Sheng N***, Zhou X. Exploring the determinants of consumers' WTB and WTP for electric motorcycles using CVM method in Macau. *Energy Policy*, 2019, 127: 64-72. [SCI/SSCI, 2019 IF 5.042, ranking: 3.5% in Economics]
10. **Sheng N**, Tang UW, Grydehoj A. Urban morphology and urban fragmentation in Macau, China: island city development in the Pearl River Delta megacity region. *Island Studies Journal*, 2017, 12: 199-212. [SSCI, 2019 IF 1.106, ranking: 57.4% in Social Sciences, Interdisciplinary]
11. **Sheng N**, Zhou X, Zhou Y. Environmental impact of electric motorcycles: Evidence from traffic noise assessment by a building-based data mining technique. *Science of the Total*

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]
13. 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]
14. 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]
16. **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]
17. **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]
18. **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]
21. 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]
22. 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]
26. **Sheng N**, Sze KY, Cheung YK. Trefftz solutions for piezoelectricity by Lekhnitskii's 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. *Computational Mechanics*, 2006, 37: 381-393. [SCI]
28. Sze KY, **Sheng N**. Polygonal finite element method for nonlinear constitutive modeling of polycrystalline ferroelectrics. *Finite Elements in Analysis & Design*, 2005, 42: 107-129.

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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, **Sheng N**. Meshless formulation using NURBS basis functions for eigenfrequency changes of beam having multiple open-cracks. *Journal of Sound and Vibration*, 2004, 269: 781-793. [SCI]
32. Hua W, **Sheng N**, Liu B. ABS designs for load/unload and shock resistance. *IEICE Transactions on Electronics*, 2002, E85-C, No. 10: 1789-1794. [SCI]
33. **Sheng N***, Yam CH, Iu VP. Analytical investigation and the design of the compressive strength of steel gusset plate connections. *Journal of Constructional Steel Research*, 2002, 58: 1473-1493. [SCI]

* – Corresponding author