

SUSIE (RUQUN) WU

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EDUCATION

- 9/2016
(expected) Ph.D. Geography
*Department of Geography, Environment, and Spatial Sciences,
Michigan State University*
- 12/2009 M.S. Energy Studies, and M.S. Environment
*Melbourne School of Engineering, and Office for Environmental Programs,
The University of Melbourne*
- 6/2007 B.S. Agronomy
Department of Agriculture, South China Agriculture University

RESEARCH INTERESTS

- Industrial ecology, product eco-design, life cycle sustainability assessment, consequential life cycle assessment;
- Green building development, post-occupancy evaluations, behavioral modeling

PEER-REVIEWED JOURNAL PUBLICATIONS

1. **Wu**, S.R., M. Greaves, J. Chen., and S. Grady. 2016. Green buildings need green occupants: A research framework through the lens of the Theory of Planned Behavior. *Architectural Science Review* (accepted)
2. **Wu**, S.R., P. Fan, and J. Chen. 2016. Incorporating culture into sustainable development: A cultural sustainability index framework for green buildings. *Sustainable Development* 24(1): 64-76.
3. **Wu**, S.R., J. Chen, D. Apul, P. Fan, Y. Yan, and Y. Fan. 2015. Causality in Social Life Cycle Impact Assessment (SLCIA). *Journal of Life Cycle Assessment* 20(9): 1312-1323.
4. **Wu**, S.R. and D. Apul. 2015. Framework for integrating indoor air quality impacts into life cycle assessments of buildings and building related products. *Journal of Green Building* 10(1): 127-149.
5. Collier, J., S. **Wu**, and D. Apul. 2014. Life cycle environmental impacts from CZTS and Zn₃P₂ thin film photovoltaic cells. *Energy* 74: 314-321.
6. **Wu**, R., D. Yang, and J. Chen. 2014. Social life cycle assessment revisited. *Sustainability* 6(7): 4200-4226.
7. **Wu**, R. 2009. Energy efficiency technologies - air source heat pump vs. ground source heat pump. *Journal of Sustainable Development* 2: 14-23.

MANUSCRIPTS UNDER REVIEW

1. **Wu**, S.R., X. Li, D. Apul, V. Breeze, T. Ying. Agent-based modeling to address temporal and spatial dynamics in Life Cycle Sustainability Assessment. *Journal of Industrial Ecology*.
2. Fan, Y., J. Chen, S.R. **Wu**, R. John, C. Shao, H. Park, Z. Yang. 2016. Application of Structural Equation Modeling (SEM) in Ecological Research: An Updated Review. *Ecological Processes*.
3. Fan, Y., B.S. Gungor, J. Chen, S.R. **Wu**, P. Zhou. Pro-environmental behaviors and knowledge: A case study of park visitors in Toledo. *Urban Forestry and Urban Greening*.
4. Hou, X., G. Chen, S.R. **Wu**, G. Wu. Exploring the impact of spatial (mis)match on residents' income in urban poor neighborhoods: a case study of Kunming, China. *Habitat International*.

CONFERENCE PRESENTATIONS AND PROCEEDINGS

1. **Wu**, S.R., M. Green, J. Chen, A. Yang, and Y. Tang. 2015. Green building design and visual persuasion on occupants' pro-environmental behaviors. In proceedings of the 49th International conference of the Architectural Science Association, pp. 133-142, December 2-4, 2015, Melbourne.
2. Collier, J., S. **Wu**, and D. Apul. 2014. Water Impacts from emerging thin film PV technologies: A case study of CZTS and Zn₃P₂, Poster presented at Borchardt Conference. University of Michigan, Ann Arbor.

AWARDS

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| 2016 | Ecology, Evolutionary Biology and Behavior Program Fellowship
Michigan State University |
| 2016 & 2015 | Summer Graduate Office Fellowship
Graduate School, Michigan State University |
| 2015 | Summer Research Fellowship
College of Social Science, Michigan State University |

ACADEMIC TEACHING AND MENTORING EXPERIENCE

- Teaching Assistant: Geo 330 – Geography of the United States and Canada, spring 2016, in Department of Geography, Environment, and Spatial Sciences, Michigan State University.
- Mentoring bachelor research assistants in the Sustainable Engineering Lab, fall 2013 and spring 2014, Department of Civil Engineering, University of Toledo

SERVICES

- Guest reviewer for *Journal of Green Building*
- Guest reviewer for *International Journal of Architectural Heritage*
- Guest reviewer for *Journal of Buildings and Sustainability*

WORK EXPERIENCE

- 11/2011 – Sustainability Product Manager
5/2013 *British Standard Institution, Greater China*
Responsible for internal training on Eco-design, Life Cycle Assessment (LCA) & Simapro software; external auditing on organization carbon footprint (ISO 14064-1); course materials development; pre-sales technical support; consulting and projects delivery on product carbon footprint (PAS 2050), water footprint (ISO 14046) and LCA.
- 1/2010 – Sustainability Consultant
5/2011 *EcoVane Environment, Greater China*
Responsible for course materials development, marketing & sales supporting, consultations on product Eco-design, corporate strategic planning with Life Cycle Management, and Corporate Social Responsibility.

INDUSTRIAL TEACHING EXPERIENCE

- In-house teaching with industrial partners including P&G, Dow chemical, Phillips, Huawei technologies, Siemens, Interface etc.
- Public workshops and seminars' teaching including a collaborated seminar with the HongKong Green Council and Hong Kong Polytechnic University, a collaborated workshop with the China Association for Standardization, and two open-house public trainings supported by the Taiwan Electrical and Electronic Manufacturers Association.

PROFESSIONAL DEVELOPMENT/CERTIFICATIONS

- 2013: Standard Assessment Procedure course certificate by the European Energy Centre, in line with the European Project EMTEU Energy Management Technician
- 2013: Energy Efficiency in Buildings course certificate by the European Energy Centre, in line with the European Project EMTEU Energy Management Technician
- 2011: Advanced Environmental Management Systems auditor course certificate by BSI Training, approved by Institute of Environmental Management and Assessment. Certificate No: EL04/EC11-06
- 2011: ISO 14064-1: 2006 Greenhouse Gas Lead Verifier course certificate by BSI Training. Certificate No: GHGLV01/NC11-28