

Sainan Zhang

School of Sustainability, Arizona State University,
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Research Interests

urban sustainable development, land use/cover, urban socio-ecological systems, land use policy, vulnerability, environmental justices, remote sensing

Education

- 8/2007-present Arizona State University | Tempe, AZ
Ph.D. student, in Sustainability
- 9/2002-2/2004 Wageningen University | The Netherlands
M.S., in Urban Environmental Management
Thesis: Energy Conservation Assessment of Ecologia in the Netherlands
- 9/1996-7/2001 China University of Mining and Technology | P.R.China
B. Engineering, Architecture, School of Architecture and Engineering
Graduation Design: Design of Anhui Provincial Hospital of Emergency Center

Traning/Certification

- 10/2006 Refresher Course 'AIDS and Rural Development, East Africa and Asia: Exchanging Expertise' |
Dar es Salaam, Tanzania

Professional Experiences

- 8/2008 – present Arizona State University | Tempe, AZ
Research Assistant
Advisor: Prof. Christopher G. Boone, Prof. Abigail M. York, SHESC, SOS, ASU
Working on a cross-site comparative research on socioecological gradients and land-use
Fragmentation
- 8/2007 – 8/2008 Arizona State University | Tempe, AZ
Research Assistant
Advisor: Lela Prashad, Director of 100 Cities Project, ASU
Worked on the 100 Cities Project and link the project to urban sustainability
- 7/2006 -7/2007 The Nature Conservancy (TNC), Beijing Office | Beijing, P.R.China
Assistant to Director
Assisted Beijing Program Director in implementing TNC China projects inc. Early
Action Grants (EAG) Project; Worked and communicated with internal and external
contacts including the public, media and business relations to convey information and
coordinate arrangements
- 7/2005 - 7/2006 Foreign Economic Cooperation Office, China State Environmental Protection
Administration (SEPA) | Beijing, P.R.China

Project Officer

Worked on management and implementation of UNDP/GEF “Barrier Removal for the Widespread Commercialization of Energy Efficient CFC-Free Refrigerators in China” Program and assisted in EU-China Biodiversity Program (ECBP)

3/2004 - 7/2005 The Administrative Center for China's Agenda 21 (ACCA21), Ministry of Science and Technology of China (MOST) | Beijing, P.R.China

Technical Assistant

Participated in China-EU Environmental Management Co-operation Program (EMCP) and UN Habitat Sustainable City Program (SCP) and provided technical support to ensure the smooth running of the programs

8/2001 - 8/2002 Modern Architectural Design Department, Hefei Design and Research Institute, Ministry of Coal Industry | Hefei, P.R.China

Designer

Worked on industrial and civil architecture design

Conference Paper/Poster

S. Zhang (2004). *Energy Conservation Assessment of Ecolonia in the Netherlands*. Paper presented at the, International Sustainable Building Conference (SB04). Shanghai, P.R.China. September 20-22, 2004.

S. Zhang, L. Prashad, C. G. Boone, P. R. Christensen (2008). *Application of Remote Sensing to Urban Environmental Monitoring*. Paper presented at the, AAAS Science and Technology in Society Conference. Washington DC. April 6 2008.

S. Zhang (2009). *Analysis of Future Development of Greenbelt- A Case Study of Greenbelt Planning in Beijing, China*. Paper (visual) presented at the, 5th International Conference on Environmental, Cultural, Economic and Social Sustainability. Mauritius. January 5-7, 2009.

S. Zhang, A. M. York, C. G. Boone (2009). *Monitoring Landscape Fragmentation Under Conditions of Rapid Urbanization in the Central Arizona -- Phoenix Region*. Poster presented at the, 11th CAPLTER Poster Symposium. Tempe, AZ. January 15, 2009.

J. Helepolelei, S. Zhang, and A. M. York (2009). *Patterns and Institutions of Land Use on Indian Communities*. Poster presented at the, 11th CAPLTER Poster Symposium. Tempe, AZ. January 15, 2009.

S. Zhang, A. M. York, C. G. Boone (2009). *Quantitative Analysis of Landscape Fragmentation in Metropolitan Phoenix, USA, from 1992 to 2001*. Poster presented at the Illustrated Paper Session, The Association of American Geographers (AAG) 2009 Annual Meeting. Las Vegas, NV. March 22-27, 2009.

S. Zhang, A. M. York, C. G. Boone, S. W. Myint (2009). *Quantitative Analysis of Landscape Fragmentation in Metropolitan Phoenix, USA, from 1992 to 2001*. Paper presented at the, 53rd annual meeting of the Arizona-Nevada Academy of Science. Tucson, AZ April 4, 2009.