

SOHYUN PARK

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EDUCATION

- 2005-2011 **Ph.D. in Environmental Design and Planning**
Arizona State University, Tempe, AZ
Dissertation: Ecological Connectivity Assessment and Urban Dimensions: A Case of Phoenix Metropolitan Landscape
Advisor: Prof. Edward Cook
- 1998-2000 **Master in Landscape Architecture (M.L.A.)**
Seoul National University, Seoul, Korea
Thesis: Application of Nature Environment Audit focused on Natural Resources: A Case Study on the Demilitarized Zone, Korea
- 1993-1997 **Biology (B.S.)**
Sookmyung Women's University, Seoul, Korea

RESEARCH / TEACHING INTERESTS

Application of landscape ecology to urban and regional planning, Green infrastructure, Natural resource planning and ecosystem management, Ecological urbanism, Sustainability of metropolitan and regional landscape, Urban green space governance, Spatial modeling and GIS, Interdisciplinarity pedagogy

EMPLOYMENT

- 2001-2005 **Korea Environment Institute, Policy Research Division, Researcher**
Environmental research relating to national land cover classification, place-based conservation planning, national ecological network, and environmental policy development at local, regional, and national scales
- 2000-2001 **Korea Research Institute for Human Settlement, Urban and Regional Planning Division, Researcher**
Environmental suitability assessment, green space and recreation planning, metropolitan planning, green infrastructure development, community-based greenbelt management

TEACHING EXPERIENCE

Graduate Teaching Associateship

LPH 598	Landscape Ecology and Planning, Co-teaching with Prof. Edward Cook, Spring 2008, ASU
LTC 446	Landscape Construction, Coordinating study trips to local restoration project sites, Spring 2008, ASU
PUP 200	Planned Environment, Prof. Joochul Kim, Fall 2007, ASU
ALA 121	Environmental Design Studio, Independent instructor, Fall 2007, ASU
ALA 200	Introduction of Architecture and Landscape Architecture Prof. John Meunier and Prof. Edward Cook, Fall 2006, ASU
APH 294	Culture of Space, Group coordinator, Prof. Nan Ellen, Fall 2006, ASU
ALA 120	Environmental Design Studio, Co-teaching with Prof. Eric Weber, Fall 2006, ASU
APH 313	History of Architecture, Prof. Thomas Morton, Fall 2005, ASU

Professional Lecture

2008	Ethical Issues for Faculty (11/21/2008), special lecture for a small group in Preparing for Future Faculty (PFF)
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Invited Lectures

2011	Sustainability of Metropolitan Landscapes: Landscape Ecological Perspectives, Urban Ecological Design Seminar Course, Arizona State University
2005-2008	Environmental Law and Regulation (Online lecture), e-Learning Institute for Environmental Policy, Korea
2007	Landscape Ecology: Theory and application, Department of Landscape Architecture, College of Forest Science, Kangwon University, Korea
2005	Fundamental Theory and Practice in Geographical Information System and Remote Sensing, Department of Environmental Landscape Architecture, Sangmyung University, Korea
2002	Concept and Case Studies of National Ecological Network, Urban Ecology Graduate Program, Hanyang University, Seoul, Korea

RESEARCH EXPERIENCE

Graduate Research Assistantship/Associateship

2006-	Arizona State University, Research Associate
2007	<ul style="list-style-type: none">• Environmental sustainability in Hermosillo, Mexico (Prof. Edward Cook and Prof. Joseph Ewan)• Book chapter writing for public spaces for new city life (Prof. Edward Cook and Prof. Gamzøe Lara)• Compilation of best ecological network practices (Prof. Edward Cook)• Noli-map creation for autism population in large US cities (Prof. Kimberly Steel)

1997- **Seoul National University, Research Assistant**

- 2000
- Full or partial involvement in planning research related to various natural resources planning, rural community planning, sustainable model city, ecological planning, urban biotope, and greening intervention (Prof. Kwi-Gon Kim)

Solicited Research Report

- **Park, S.** (2008) Localization of global climate change: greenhouse gas emissions control in North America cities, Korea Research Institution for Human Settlement

Ongoing International Collaborative Research

- Marull J. and **Park, S.** Improving mega-regions towards sustainability in American and European countries (*in search of research funding*)
- **Park, S.**, Hepcan S., Hepcan, C. and Cook, E.A. Impact of urban morphology on ecosystem pattern and landscape connectivity: comparative case study between Izmir, Turkey and Phoenix, USA (*journal manuscript in progress*)

Interdisciplinary and Multi-institutional Study Activities

- Institutionalizing Interdisciplinarity Research Group (2010); working with ASU graduate students from sustainability, geography, and urban planning departments; interviews with the leaders in interdisciplinary institutes worldwide, workshop and publication in progress
- Transdisciplinary Park & Open Space (POS) Research Group (2010); working with practitioners, conservation agencies, city officials, planners, and ASU graduate students from communication, geography, and planning departments; semester-long reading group, coordination of a seminar and a symposium for public parks
- HOA (Home Ownership Association) Research Group (2009): privatized landscapes in gated communities; working with ASU graduate students from geography, life science, and urban planning departments
- Food Desert and Urban Agriculture Research Group, working with ASU graduate students from anthropology, social science, art, and planning departments (2009)

PUBLICATIONS

Books/ Book Chapters

- Choi, J., Choi, J.K., **Park, S.** (2005) *Development of operation system for implementing Environmental Impact Assessment in the Antarctic region*, Korea Environment Institute, Seoul: Korea
- Kim, K., Park, Y.H., Choi, J., Park, J., **Park, S.** (2005) *Landscape assessment and management in rural areas: Aesthetic and economic values and environmental policy*, Korea Environment Institute, Seoul: Korea
- Jung, H.L., Lee, H.W., Yoo, H.S., Kwon, Y.H., Rho, T.H., **Park, S.** (2003) *A Study on Landscape Ecological Method in Environmental Impact Assessment*, Korea Environment Institute, Seoul: Korea

Peer-reviewed Journal Articles

- Park, Y.H., Kim, K., Sung, H.C., Lee, G., **Park, S.**, Choi, J. (2007) Recognition and improvement of rural landscape management system. Korean society of rural planning. 13(3): 103-110.
- Choi, J., **Park, S.**, Lee, D.K., Shin, K., Hong, T. (2006) Guidelines for active use of nature environmental conservation facility, Journal of the Korean Society for Environmental Restoration and Revegetation Technology, 9(4): 36-51.
- Choi, J., **Park, S.**, Lee, D.K. (2005) Spatial analysis on nature environmental conservation facility, Journal of the Korean Society for Environmental Restoration and Revegetation Technology, 8(1): 52-62.

Book Reviews

- **Park, S.** (2010) *Book review: Restorative Commons: for Restorative Commons: Creating Health and Well-Being Through Urban Landscapes*, Campbell, L. and A. Wiesen (eds.), U.S. Department of Agriculture, Forest Service, Northern Research Station, Newtown Square, PA., 2009, 278 pp. Gen. Tech. Rep. NRS-P-39. Landscape Ecology Journal 25(1): 1627-1628
- **Park, S.** (2011) *Book review: Balance and reconciliation between planning and ecology for urban region: for Urban Regions*, Richard T.T. Forman, Cambridge University Press, Cambridge, 2008, 408 pp, Urban Studies Journal 48(4):832-835

Professional Research Reports

- Jung, H.L., Lee, H.W., Yoo, H.S., Kwon, Y.H., Roh, T.H., **Park, S.**(2005) In/Ex-situ Conservation of *Corylopsis coreana* UYEKI using Community Cooperation Model, Korea Environment Institute (funded by Ministry of Environment in Korea [MOE])
- Choi, J. *et al.* (2005) Guidelines on Establishment and Operation of Nature Conservation Facilities, Korea Environment Institute [MOE]
- Choi, J. *et al.* (2005) Virtual Environmental Impact Assessment for Human Activities in the Antarctic Region, Korea Environment Institute [MOE]
- Choi, J. *et al.* (2004) Environmental Carrying Capacity Model and Indicators Development, Korea Environment Institute [MOE]
- Lee, B.G. *et al.* (2004) Implementation Approach for Total Load Management System in the Nackdong River Watershed, Korea Environment Institute (funded by National Institute for Environmental Research in Korea)
- Kim, Y.B. *et al.* (2003) A Study on Peaceful Utilization of Land in the Imjin River Basin through South-North Korea Cooperation, Korea Research Institute for Human Settlement (funded by Ministry of Construction and Transportation in Korea (MOCT))
- Jeon, S.W and Park, S. (2001) A Study on National Ecological Network Development, Korea Environment Institute [MOE]
- Kim, Y.B. *et al.* (2001) Long-term Comprehensive Planning for Effective Land Use in Shiwha Reclaimed Areas, Korea Research Institute for Human Settlement (funded by Korea Water Resources Corporation)

- Park, J.G. *et al.* (2000) Seoul Metropolitan Regional Plan Development and Greenbelt Management, Korea Research Institute for Human Settlement (funded by MOCT, City of Seoul, City of Incheon, and Kyunggi Province)
- Kim, K., *et al.* (2000) A detailed Study and Proposal for Environmental Sound and Sustainable Development in Northern Kyeonggi Province, Seoul National University (funded by UNDP; ROK/96/007)
- Kim, K. and Park, S.(2000) Guidelines on Natural Environment Audit and Monitoring System: Kyunggi Agenda 21, Seoul National University (funded by Kyunggi Province)
- Kim, K., *et al.* (1999) Feasibility Study and Master Planning for Establishment of Natural Environment Research Park, Seoul National University (funded by Kangwon Province)
- Kim, K., *et al.* (1999) Creating a 'Green City Hanam': Formulating Integrated Guidelines and Framework for Eco-city, Seoul National University (funded by UNDP; ROK/99/003)
- Kim, K., *et al.* (1998) An ESSD Model for Rural Farmland and Agricultural Resources in the Daeho Agricultural Tideland, Seoul National University (funded by UNDP; ROK/98/006)
- Kim, K., *et al.* (1998) Master Plan for Environmental Model City, Seoul National University (funded by City of Donghae)
- Kim, K., *et al.* (1998) A Study on Wildlife Habitats Creation in Urban Areas, Seoul National University (funded by MOE as a part of G7 project)

Conference Presentations / Proceedings / Exhibits

- 2011
- Least-cost modeling for ecological connectivity assessment in urban desert landscape, Ph.D. Poster Exhibit, Design gallery at the Herberger Institute of Design and the Arts, Sep 24-Oct.8
 - Urban morphology and landscape connectivity in metropolitan regions with cultural difference, oral presentation, 8th IALE World Congress (Theme: Landscape Ecology for Sustainable Environment and Culture), August 18-23, Beijing, China
 - GIS-based ecological connectivity assessment along urban modification gradient: Phoenix, Arizona metropolitan landscape, Oral presentation, US-IALE (US Regional Chapter of International Association for Landscape Ecology) Annual Conference (Theme: Sustainability in Dynamic Landscapes), April 3-7, Portland, Oregon, USA
 - What characterizes ecologically sustainable community? Oral presentation, CELA (Council of Educators in Landscape Architecture) Annual conference (Theme: Urban Nature), March 30- April 2, University of Southern California, Los Angeles, USA
- 2010
- Landscape connectivity and urban density, Ph.D. Poster Exhibit, Design gallery at the Herberger Institute of Design and the Arts, Sep 28- Oct 16, 2010
 - Effects of urbanization on ecosystem loss and connectivity in Maricopa County, Arizona, Ph.D. Poster Exhibit, Design gallery at the Herberger Institute of Design and the Arts, Sep 28- Oct 16, 2010
 - Landscape connectivity assessment in the Phoenix metropolitan region: an integrative approach of landscape ecology and planning, Oral presentation, CELA Annual Conference, May 12-14, 2010, Maastricht, The Netherlands
 - Urban ecosystem pattern change in response to future urban developments in Maricopa County, AZ, USA, Poster presentation, 2010 US-IALE 25th Anniversary Symposium, April

- 5-9, Athens, Georgia, USA
- 2006 • Accessing nature as ecological public spaces, Oral presentation, International symposium on universal design and visitability: from accessibility to zoning, July 13-14 2006, Ohio State University, USA
- 2005 • A study on the guideline in constructing nature environmental conservation and its utilization, Oral presentation, Spring Plenary of the Korea Society for Environmental Restoration and Revegetation Technology, March 18 2005, SH Corporation, Seoul, Korea
- 2003 • Land use change and conservation assessment in Imjin river basin, Oral presentation, Spring Plenary of the Korea Society for Environmental Restoration and Revegetation Technology, May 9-10, 2003, Urban Development Corporation: Seoul, Korea
- 2002 • A basic study on the concepts and methodologies of a national ecological network, Oral presentation, Autumn Plenary of the Korea Society for Environmental Restoration and Revegetation Technology, October 18-19th 2002, Korea Water Resources Corporation, Seoul, Korea
- A new strategy in nature policy: national ecological network in South Korea, Oral presentation, The INTECOL International Congress of Ecology, August 11-18th 2002, p.215, COEX, World Trade Center: Seoul, Korea.
- Strategies for urban green spaces network, Oral presentation, November 21, 2002, New National Land Council, Seoul, Korea.

Forthcoming Book Chapters and Papers

- Gamzøe, L., and **Park, S.** Turning cities around: public spaces toward new city life, a book chapter of *Remaking Metropolis: Global Challenges of the Urban Landscape* (eds. Cook, E.A. and Lara, J.), Routledge: New York (*Anticipated publication date: December 2011*)
- **Park, S.**, Hepcan, S., Hepcan, C., Cook, E., Urban morphology and landscape connectivity in metropolitan regions with cultural difference, In: *Urban Ecosystems: Mapping, Metrics and Models*, Eds. S. Qureshi, Taylor and Francis
- **Park, S.**, Spatiotemporal Ecosystem Pattern Change in Response to Future Urbanization: A Case of the Maricopa County, Arizona, USA (*Submitted to Journal of Environmental Management; Under review*)
- **Park, S.**, Ecological Connectivity Assessment and Urban Dimensions: A Case of Phoenix Metropolitan Landscape (*Submitted to Journal of Landscape and Urban Planning; Under review*)
- Hogan, W., Buyantuyev, A., Litteral, J., McCrackin, M., Neil, K., **Park, S.**, Yuan, F., Scale before you sample: Ten quick points ecology students should know about scale.

PROFESSIONAL ACTIVITIES / SERVICES

Professional Services

- 2011 • Reviewer for *Landscape and Urban Planning Journal* (Article reviewed: *Assessing the capacity of different urban forms to preserve the connectivity of ecological habitats*)
- 2010 • Seminar coordination, Discussing the State of Arizona State Parks, Parks and Open Space

- Student Organization (Nov. 17)
- Reviewer, graduate studio's mid (Nov. 3) and final-term (Dec. 6) evaluation with topic of open space planning, ADE621 Advanced Architectural Studio III, ASU
- Recruitment officer, Parks and Open Space Student Organization, ASU
- Reviewer for Urban Studies Journal (article reviewed: *A Spatial Hedonic Analysis of the Value of Urban Land Cover in the Multifamily Housing Market in Los Angeles, CA*)
- Research internship, City of Mesa, Department of Planning & Information Technology, Arizona
- Moderator, Landscape Ecology and Planning Session, Council of Educators in Landscape Architecture Annual Conference, Maastricht, the Netherlands
- Website manager, Graduates in Integrative Society and Environment Research, ASU
- 2009
 - Research grant reviewer, GPSA, ASU
 - Teaching Excellence Award reviewer, GPSA, ASU
 - Book chapter reviewer (article reviewed: *Finding meaning in the land through pattern and process: current trends in land pattern analysis, Lectures in Modern Ecology (IV): Theory and Applications, Higher Education Press, China*)
- 2007
 - Reviewer, undergraduate final evaluation, ALA121 Environmental Design Studio, ASU
- 2005
 - Focus group coordination for community involvement, Apache Junction, Arizona
- 2003
 - Examiner for Environmental Restoration License Test
 - Examiner for Environmental Impact Assessment Reports
- 2002
 - Administrator, Planning and Coordination Division, Korea Research Institute
- 1999
 - International symposium coordinator

Workshop Attended

- 2009 Association of Collegiate Schools of Planning, (ACSP) Ph.D. Workshop, University of Washington, Seattle, USA
- 2009 Ideation Creation, Skysong, Phoenix, Arizona, USA
- 2007 Designing Wildlife Corridors with ArcGIS, Phoenix, Arizona, USA
- 2005 Mapping Your Community: Introduction to GIS & community analysis, Phoenix, Arizona, USA

Professional Membership

- International Association of Landscape Ecology (IALE)
- Association of Collegiate Schools of Planning (ACSP)
- Council of Educators in Landscape Architecture (CELA)
- Society for Urban Ecology (SURE)
- Korea Society for Environmental Restoration and Revegetation Technology
- The Korean Institute of Landscape Architecture

Outreach

- Korean Federation for Environmental Movement (1993-2000)
- Korea Green United Federation (1993-1997)
- Summer farming and education service (1993-1996)
- Voluntary medical aid and nurturing service to the social weak (2001-2003)

SCHOLARSHIPS/ AWARDS

- 2011 • Student Financial Award, International Association of Landscape Ecology World Congress
- 2009 • Dissertation Completion Fellowship, ASU Graduate College, US \$7,000
- 2008 • ACSP (Association of Collegiate Schools of Planning) Scholarship Grant
 - GPSA Research Grant, GPSA, ASU, US \$2,000
 - Helios Education Foundation Scholarship Award, US \$5,000
- 2006 • Graduate Teaching Associateship, School of Planning, ASU
- 2005 • Graduate Teaching Associateship, School of Architecture and Landscape Architecture, ASU
 - Hackers Academic Scholarship, Seoul, South Korea

TRAVEL GRANTS

- 2011 • Graduate College Travel Grant; GPSA Conference Travel Grant; PhD in Design, Environment, and Arts Travel Grant
- 2010 • Graduate College Travel Grant; GPSA Travel Grant; College of Design Travel Grant
- 2009 • GPSA Professional Travel Grant
- 2007 • College of Design Professional Travel Grant; GPSA Conference Travel Grant

COMPUTER SKILLS

- Spatial analysis tools: ArcGIS, FRAGSTATS, and limited experience with Microstation, ERDAS, GeoMedia, Image Analyst, MGE, MF work
- Statistical tools: SPSS, SAS, Statex
- Graphic applications: Adobe Photoshop, Illustrator, InDesign, PageMaker, CorelDraw, Map Publisher, SketchUp, AutoCAD, Piranesi
- Windows applications: Microsoft Office (Word, Excel, PowerPoint, Access)

CERTIFICATES

- Preparing for Future Faculty (PFF), Participatory Phase 2008-2009, ASU
- Preparing for Future Faculty(PFF), Exploratory Phase 2007-2008, ASU

LANGUAGES

- Speak, read and write English (fluent)
- Speak, read and write Korea (fluent)
- Speak and read Japanese and Spanish (beginning)