

Marina Alberti

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A. EDUCATION

Ph.D. Urban and Regional Planning, 1992, Massachusetts Institute of Technology, Cambridge, MA
B.A. Urban Planning, 1981, University of Venice, School of Architecture, Venice, Italy

B. APPOINTMENTS

- Director, Interdisciplinary Ph.D. Program in Urban Design and Planning (2005-present)
- Associate Professor of Urban Design and Planning, University of Washington, College of Architecture and Urban Planning (2000-present)
- Adjunct Associate Professor, Landscape Architecture, University of Washington, College of Architecture and Urban Planning (1998-present)
- Postdoctoral Fellow, Stanford University, Department of Biological Science (1995-1996)
- Senior Expert, European Environment Agency Task Force, Commission of the European Communities
- Directorate-General XI, Brussels, Belgium (1991-1994)

C. SELECTED PUBLICATIONS

a) Papers

Alberti, M., Booth, D., Hill, K., Avolio, C., Coburn, B., Coe, S., and D. Spirandelli 2006. The impact of urban patterns on aquatic ecosystems: An empirical analysis in Puget lowland sub-basins. *Landscape and Urban Planning*, In Press.

Alberti, M. 2005. The Effects of Urban Patterns on Ecosystem Function. *International Regional Science Review*. 28:168-192.

Alberti, M. and J. Marzluff. 2004. Resilience in Urban Ecosystems: Linking Urban Patterns to Human and Ecological Functions. *Urban Ecosystems* 7:241-265.

Alberti, M., Weeks, R., and S. Coe. 2004. Urban Land Cover Change Analysis for the Central Puget Sound: 1991-1999. *Journal of Photogrammetry and Remote Sensing* 70:1043-1052.

Alberti, M., Marzluff, J. Shulenberg, E., Bradley, G. Ryan, C. and C. Zumbrunnen. 2003. Integrating Humans Into Ecology: Opportunities And Challenges For Urban Ecology. *BioScience*. Vol. 53, No.12.

Alberti, M 2001. Quantifying the Urban Gradient: Linking Urban Planning and Ecology. In J. M. Marzluff, R. Bowman, R. McGowan, R. Donnelly, Eds. *Avian Ecology in an Urbanizing World* Kluwer, New York, 2001

Alberti, M and P Waddell 2000. An Integrated Urban Development and Ecological Model. *Integrated Assessment*. 1: 215-227.

Alberti, M 1999. Modeling the Urban Ecosystem: A Conceptual Framework. *Environment and Planning B*. Vol. 26: 605-630.

Alberti, M 1999. "Urban Patterns and Environmental Performance: What Do We Know?" *Journal of Planning Education and Research*. Vol. 19(2): 151-163.

Alberti, M and P Waddell. 1999 "Developing an Integrated Urban Development and Ecological Model." In P. Rizzi (Ed.) *Computers in Urban Planning and Urban Management*, Franco Angeli, Milan.

Alberti, M 1999 "Urban Form and Ecosystem Dynamics: Empirical Evidence and Practical Implications" in Jenks, M., Burton, E. and Williams, K. *Achieving Sustainable Urban Form*. Routledge. London.

b) Books

Alberti, M *Advances in Urban Ecology: Linking Human and Ecological Processes in Urban Ecosystems*. Springer-Verlag. Forthcoming.

Alberti, M. Solera, G. and V. Tsetsi *Sustainable Cities*, F. Angeli, 1994, Rome.

Alberti, M., Bettini, V., Bollini, G. and E. Falqui *Environmental Impact Assessment Methods*, CLUP-CLUED, 1988, Milan.

D. SYNERGISTIC ACTIVITIES

1. Director of the UW Urban Ecology Research Lab, an interdisciplinary team of faculty and students studying urban landscapes as hybrid phenomena that emerge from the interactions between human and ecological processes: <http://www.urbaneco.washington.edu/>
2. PI for the development of an integrated simulation model to simulate the impacts of urban growth on land cover and bird diversity as part of the NSF Biocomplexity program 2001-2006 (Alberti PI: BCS-0120024)
3. PI for a new NSF Biocomplexity project between University of Washington and Arizona State University to study urban landscape patterns as emergent phenomena in Seattle and Phoenix, 2005-2009 (Alberti PI: BCS 0508002).
4. Co-PI for the NSF funded IGERT Program in Urban Ecology at the University of Washington aimed to advance interdisciplinary graduate education in urban ecology.

