



Leonard Ortolano

UPS Foundation Professor of Civil Engineering in Urban and Regional Planning, Emeritus

Civil and Environmental Engineering

CONTACT INFORMATION

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Bio

BIO

Ortolano is concerned with environmental and water resources policy and planning. His research stresses environmental policy implementation in developing countries and the role of non-governmental organizations in environmental management. His recent interests center on corporate environmental management.

ACADEMIC APPOINTMENTS

- Emeritus Faculty, Acad Council, Civil and Environmental Engineering
- Affiliate, Precourt Institute for Energy
- Affiliate, Stanford Woods Institute for the Environment

HONORS AND AWARDS

- Lillian and Thomas B. Rhodes Prize for Excellence in Undergraduate Teaching, Stanford University (1996)
- Eugene L. Grant Award for Excellence in Teaching, Stanford University (2005)
- Fulbright-Hays Research Grants, Rome, Italy, and Paris, France
- Lectureship, National Science Council of the Republic of China
- Visiting professorships, Istituto Universitario di Architettura di Venezia, Dipartimento di Urbanistica, Venice, Italy
- Institut National Polytechnique de Toulouse, ENSEEIHT, Toulouse, France

PROGRAM AFFILIATIONS

- Center for East Asian Studies
- Center for Latin American Studies

PROFESSIONAL EDUCATION

- PhD, Harvard (1969)

Publications

PUBLICATIONS

- **Rising Seas, Rising Inequity? Communities at Risk in the San Francisco Bay Area and Implications for Adaptation Policy** *Earth's Future*
Bick, I., Santiago Tate, A. F., Serafin, K. A., Miltenberger, A., Ayansi, I., Evans, M., Ortolano, L., Ouyang, D., Suckale, J.
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- **When floods hit the road: Resilience to flood-related traffic disruption in the San Francisco Bay Area and beyond.** *Science advances*
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- **Colonial dynamics limit climate adaptation in Oceania: Perspectives from the Marshall Islands** *GLOBAL ENVIRONMENTAL CHANGE-HUMAN AND POLICY DIMENSIONS*
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- **Managing water-related risks in the West Bengal Sundarbans: policy alternatives and institutions** *INTERNATIONAL JOURNAL OF WATER RESOURCES DEVELOPMENT*
Sanchez-Triana, E., Ortolano, L., Paul, T.
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- **Strategy for adapting to climate change and conserving biodiversity in the Bangladesh Sundarbans** *CLIMATE AND DEVELOPMENT*
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2017; 9 (4): 325-336
- **Urban Growth in China: Evolution in the Role of Urban Planners** *JOURNAL OF PLANNING EDUCATION AND RESEARCH*
Perlstein, A., Ortolano, L.
2015; 35 (4): 435-443
- **Effect of company size on potential for REACH compliance and selection of safer chemicals** *ENVIRONMENTAL SCIENCE & POLICY*
Scruggs, C. E., Ortolano, L., Wilson, M. P., Schwarzman, M. R.
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- **Cleaner production in Pakistan's leather and textile sectors** *JOURNAL OF CLEANER PRODUCTION*
Ortolano, L., Sanchez-Triana, E., Afzal, J., Ali, C. L., Rebellon, S. A.
2014; 68: 121-129
- **The entrepreneurship myth in small-scale service provision: Water resale in Maputo, Mozambique** *JOURNAL OF WATER SANITATION AND HYGIENE FOR DEVELOPMENT*
Zuin, V., Ortolano, L., Davis, J.
2014; 4 (2): 281-292
- **Factors influencing the technology upgrading and catch-up of Chinese wind turbine manufacturers: Technology acquisition mechanisms and government policies** *ENERGY POLICY*
Qiu, Y., Ortolano, L., Wang, Y. D.
2013; 55: 305-316
- **2012 Chester Rapkin Award for Best Planning Paper in Volume 30: "A Tale of Two Sitings: Contentious Politics in Liquefied Natural Gas Facility Siting in California"** *JOURNAL OF PLANNING EDUCATION AND RESEARCH*
Boudet, H. S., Ortolano, L.
2013; 33 (1): 120-120
- **Confronting Urban Displacement: Social Movement Participation and Post-Eviction Resettlement Success in Dar es Salaam, Tanzania** *JOURNAL OF PLANNING EDUCATION AND RESEARCH*
Hooper, M., Ortolano, L.
2012; 32 (3): 278-288
- **Motivations for slum dweller social movement participation in urban Africa: a study of mobilization in Kurasini, Dar es Salaam** *ENVIRONMENT AND URBANIZATION*

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- Hooper, M., Ortolano, L.
2012; 24 (1): 99-114
- **forthcoming, Confronting Urban Displacement: Social Movement Participation and Post-Eviction Resettlement Success in Dar es Salaam, Tanzania** *Journal of Planning Education and Research*. Published online
Hooper, M., Ortolano, L.
2012
 - **Motivations for Urban Social Movement Participation in Africa: A Study of Slum Dweller Mobilization in Kurasini, Dar es Salaam** *Environment and Urbanization*
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 - **Water supply services for Africa's urban poor: the role of resale** *JOURNAL OF WATER AND HEALTH*
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 - **Creating safer consumer products: the information challenges companies face** *ENVIRONMENTAL SCIENCE & POLICY*
Scruggs, C. E., Ortolano, L.
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 - **Teaching Negotiation in the Context of Environmental Regulatory Enforcement: An Experiential Learning Approach** *Applied Environmental Education and Communication*
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 - **Water resale to neighbors in Maputo, Mozambique: price, service quality, and user satisfaction** *Journal of Water and Health*
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 - **Implementing China's national energy conservation policies at state-owned electric power generation plants** *ENERGY POLICY*
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 - **A Tale of Two Sitings: Contentious Politics in Liquefied Natural Gas Facility Siting in California** *JOURNAL OF PLANNING EDUCATION AND RESEARCH*
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 - **JUDICIAL REVIEW OF ENVIRONMENTAL ADMINISTRATIVE DECISIONS: HAS IT CHANGED THE BEHAVIOR OF GOVERNMENT AGENCIES?** *CHINA JOURNAL*
Zhang, X., Ortolano, L.
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 - **Agency Empowerment through the Administrative Litigation Law: Court Enforcement of Pollution Levies in Hubei Province** *CHINA QUARTERLY*
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 - **Constructing carbon offsets: The obstacles to quantifying emission reductions** *ENERGY POLICY*
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 - **Handbook on Environmental Assessment of Water Quality Management Plans Water Quality and Quantity Assessment.** *was responsible for Chapter 2 entitled*
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edited by Heberer, T., Grunow, D., Li, H.
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 - **Environmental Degradation as a Cost of China's Economic Growth: Transitional Setback or Irreversible Change?** *in Growing Pains: Tensions and Opportunity in China's Transformation*

- Ortolano, L.
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- **Judicial Review of Environmental Administrative Decisions: Has It Changed Agency Behavior?** *The China Journal*
Zhang, X., Ortolano, L.
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 - **Development of Citizen-Organized Environmental NGOs in China** *VOLUNTAS*
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 - **Implementing Programmes to Reduce Nitrate Pollution from Agriculture in Brittany, France** *INTERNATIONAL JOURNAL OF WATER RESOURCES DEVELOPMENT*
Ortolano, L., Baumont, S., Puz, G.
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 - **Preface to the Japanese edition of Ortolano, L. Environmental Regulation and Impact Assessment**
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 - **Analyzing Beijing's in-use vehicle emissions test results using logistic regression** *ENVIRONMENTAL SCIENCE & TECHNOLOGY*
Chang, C., Ortolano, L.
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 - **Policy-Level Strategic Environmental Assessments: Process Integration and Incentives of Policy Proponents** *Strategic Environmental Assessment for Policies: An Instrument for Good Governance*
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edited by Ahmad, K., Sanchez-Triana, E.
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 - **Research Universities and Engaged Scholarship: A Leadership Agenda for Renewing the Civic Mission of Higher Education..** *Tufts University and Campus Compact. Providence, RI*

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- **Effects of Economic and Environmental Reform on Diffusion of Cleaner Coal Technology in China** *Chapter 4 in China's Limit's to Growth*
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- **Influence of organizational learning on water pollution control in Colombia's Cauca Valley** *INTERNATIONAL JOURNAL OF WATER RESOURCES DEVELOPMENT*
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- **Haas Center's First Twenty Years: Public Service Education at Stanford, Haas Center for Public Service** *Stanford University*
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- **Cleaner Production Programme in Taiyuan City, China** *International Journal of Technology Transfer and Commercialization*
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- **Environmental Regulation in China: Institutions, Enforcement and Compliance**
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- **Introduction to Cleaner Production in China** *Environmental Impact Assessment Review*
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- **Pollution Prevention in China's Electroplating Industry** *Environmental Engineering and Policy*
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- **A Model Describing Performance of Rural Drinking Water Systems in Honduras** *International Journal of Water Resources Development*
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- **Environmental Regulation and Impact Assessment**
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