



## Curriculum Vitae

### **Michael W Mehaffy**

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## **1. PROFESSIONAL EXPERIENCE**

**President**, Structura Naturalis Inc. Consultant to governments, NGOs and private developers in sustainable development strategies and tools. Projects have included noted urban development projects in the US, Canada, Mexico and Europe (e.g. Orenco Station on Portland, Oregon's light rail line), and leading sustainable building projects (e.g. consultant on policy toolkit of EcoDistricts project for Portland Sustainability Institute). Projects have pioneered new tools, certification programs and implementation strategies, reflecting the latest advanced research and evidence-based practice. Website: [www.tectics.com](http://www.tectics.com). 9/1993-present.

**Executive Director**, Sustasis Foundation, Portland, Oregon. Research, publication and consulting in climate change and urban morphology, sustainable urban development, urban codes, smart growth, new urbanism, EcoDistricts, implementation strategies, economic toolkits, and related topics. Create partnerships and research for publication; organize or collaborate on conferences and symposia. Conducted recovery planning work in New Orleans, including noted work on Unified New Orleans Plan. Website: [www.sustasis.net](http://www.sustasis.net). 9/2007-present.

**Director of Education**, The Prince's Foundation for the Built Environment. Co-led a major UK charity as member of the executive board, through strategic review, mission re-focus and hiring of new CEO. Co-managed its consultancy of leading UK urban design projects. Directed creation of a new curriculum in sustainable urbanism, in partnership with the UK Office of the Deputy Prime Minister, Royal Institute of British Architects, Royal Town Planning Institute, English Heritage, other leading NGOs, and six universities. Program is now a Masters program at Oxford University. 9/03-11/05

**Project Manager**, PacTrust. Project manager and owner representative for the master developer of Orenco Station, a landmark transit-oriented development in Portland, Oregon, described in a New York Times op-ed as "perhaps the most interesting experiment in New Urbanist planning anywhere in the country." 9/1997-1/2003.

**Project Manager**, designer, builder and developer, Green Gables Design and Restoration Inc. (senior project manager), Daita Development Co.(owner). Supervised projects to \$2 million and staff up to 20, including self-financed projects. Architectural apprenticeships, design, documentation, finance, hands-on construction, development and business management. (Additional information on request.) 9/1982-9/1997.

## 2. ACADEMIC AND RESEARCH EXPERIENCE

**Sir David Anderson Fellow**, University of Strathclyde, Faculty of Architecture, Glasgow, UK. Researcher and lecturer in sustainable urban development, urban design theory, pedestrian mobility, climate change and urban form. Consultant on curriculum development for new graduate degree and distance learning programs. 1-year appointment. (March 2011-March 2012.)

**Research Associate**, Centre for Environmental Structure. Research center founded and directed by design pioneer Christopher Alexander in 1967, home of noted research and publications on pattern languages and other award-winning work. Research collaborations with Alexander and colleagues on sustainable design, generative codes and pattern languages. 3/06-present

**Visiting Faculty Associate**, Arizona State University. Dual appointment to School of Geographical Sciences and Urban Planning, and School of Sustainability, Phoenix, AZ. Lecturer and researcher in urban planning/design, sustainable urban development, TOD, codes, development economics, and related topics. (January 2011-January 2012.)

**Visiting Professor**, University of Trento, Italy. Lecturer in sustainable urban development, philosophy of design, biophilia, evidence-based design, and related topics. Collaborator in the Center for Aesthetics in Practice. (December 2010-February 2011.)

**Visiting Professor**, Tecnologico de Monterrey, Department of Architecture, Queretaro, Mexico. Collaborator on creation and development of a new graduate degree program in sustainable urban development and new urbanism; develop curriculum materials, organize and conduct study tours, teach classes. 3/06-present (intermittent)

**Adjunct Instructor**, University of Oregon, School of Architecture and Allied Arts. Taught architectural theory, complexity science, sustainability and architecture. 6/08-9/08

**Guest Lecturer and/or Visiting Critic**, Bartlett School, University College London, University of Greenwich, Politecnico de Bologna, Technical University Dortmund, Catholic University of Portugal, University of Miami, University of Notre Dame, et al. (Video of lecture at Bartlett School is available on line at <http://www.rudi.net/node/20538>)

**Academic Chair**, the European School of Urbanism and Architecture. Directed creation of a pilot curriculum in sustainable urban development funded by the European Union's Leonardo da Vinci Programme. Lectured, taught classes, wrote curricular materials. Website: [www.esua.org](http://www.esua.org). 9/07-12/08.

**Coordinator**, EDUAC project (European Dissemination of Urbanism Architecture and Crafts). Directed further development of a pilot curriculum in sustainable urban development, with an emphasis on the integration of traditional crafts skills. Partnered and worked closely with six universities, as well as NGOs and private practitioner consultants. Prepared and managed workshops, lectured, taught classes, prepared curricular materials. 6/08-4/10.

**Director of Education**, The Prince's Foundation for the Built Environment. Partner with six universities in development of new graduate degree educational programmes and curricula. See listing below for more information. 9/03-11/05

### 3. EDUCATION

Delft University of Technology, Netherlands, Faculty of Architecture. Doctoral research in sustainable urban design and planning. ABD status as of March 2012. Dissertation topic: "Urban Morphology and Greenhouse Gas Emissions: Dynamic modeling of urban design variables." Anticipated completion of degree: 2014.

University of California Berkeley, Graduate School, College of Environmental Design, Masters Program in Architecture. Study areas: architecture, planning, urban design and sustainability. Credit toward Masters degree; GPA 3.8. (9/80-6/81)

University of Texas at Austin, Graduate School, Masters Program in Philosophy. Study areas: philosophy of science, philosophy of design, public affairs and business management theory. Credit toward Masters degree. Graduate Record Exam: 720 Verbal, 700 Math. (9/79-6/80)

The Evergreen State College. Studies in architecture and liberal arts. Bachelor of Arts. (1/77-6/78)

The University of Texas, Plan II Interdisciplinary Honors Program. Studies in liberal arts and sciences. (9/75-12/76)

California Institute of the Arts. Studies in 20<sup>th</sup> century music, art and design. (9/73-6/75)

### 4. EDITORIAL, ADVISORY AND PROFESSIONAL NGO BOARDS

Member, Editorial Board, Urban Design International (6/08-present)

Member, Editorial Board, Journal of Urbanism (3/07-present)

Member, Editorial Board, Cuadernos de Arquitectura y Nuevo Urbanismo (3/08-present)

Member, Correspondence Committee, LEED-ND sustainable urban rating system (8/07-11-09)

Chair, INTBAU-USA, US chapter of London-based NGO dedicated to sustainable urbanism in traditional settlements (10/07-present)

Board member, Council for European Urbanism (C.E.U.), Stockholm-based professional association of urban planners, designers and architects (4/09-present)

Member, Advisory Board, Expert Advisory Group on Development of Centers and Corridors, Metro (Portland); convened by Portland State University (6/09-11/09)

Member, Advisory Board, "Transforming Land Use Regulations – Active Living Research," joint research project of Portland State University and Temple University, funded by the Robert Wood Johnson Foundation (6/07-6/09)

## **5. RESEARCH GRANTS AND PROGRAM CONTRACTS**

Sir David Anderson Bequest, University of Strathclyde, Glasgow, UK. £18,000 research award for work in sustainable urbanism, walkable cities, curriculum development and related work. (See additional listing below.)

The Prince's Foundation for the Built Environment, £40,000, grant for research with Dr. Christopher Alexander on new "generative codes" for sustainable urban development, 11/05-3/06. Christopher Alexander, PI; Michael Mehaffy, managing director.

Academy for Sustainable Communities (UK), £20,000, grant to develop new professional education program at The Prince's Foundation for the Built Environment, 5/2005. Michael Mehaffy, Director of Education and applicant.

Eva and Hans K. Rausing Trust, £750,000 (renewal), grant to develop new education curriculum at The Prince's Foundation for the Built Environment, 3/2004. Michael Mehaffy, Director of Education.

Leonardo Da Vinci Programme in Lifelong Learning, European Union, €250,000 for new inter-disciplinary curriculum in sustainable architecture and urbanism for continuing professional education. Michael Mehaffy, partner applicant (as Director of Education, the Prince's Foundation for the Built Environment) and chair, academic committee.

## **6. HONORS AND AWARDS**

Sir David Anderson Fellowship Award, University of Strathclyde, Glasgow, UK (see above); Arthur Ross Award for Community Planning, 2006 (for work on Hurricane Katrina recovery, shared); Unanimously elected Colleague, INTBAU College of Traditional Practitioners, 2005; National Awards Council for Environmental Sustainability, 2001 (shared); FTA/APA/AIA/ULI/STPP Livable Communities Transit Design Award, 1999 (shared); Ahwahnee Award for Smart Growth 1998 (shared); Governor's Livability Award, 1998 (shared).

## **7. PROFESSIONAL CREDENTIALS**

CNU-A; ICTP; Qualified to register as an architect in Washington State, USA.

## 9. NOTABLE PROJECTS

- 2012-13      The Future of Vista Field  
*Client: Port of Kennewick, Kennewick, WA*  
Strategic planning and scenario analysis for development or redevelopment of 112-acre airport site. Project manager for multi-consultant team. (*With Duany Plater-Zyberk and Company, Laurence Qamar, ECONorthwest, Parametrix, Century West Engineering*)
- 2011-12      Affordable and sustainable housing for transit-oriented development  
*Client: REACH Community Development Corp., Portland, OR*  
Strategic planning and entitlement for new workforce housing project on Portland's light rail line, featuring Passivhaus standards.
- 2010-12      Affordable housing for transit-oriented development  
*Client: Northwest Housing Alternatives, Portland, OR*  
Strategic planning and entitlement for new senior affordable housing project on Portland's light rail line.
- 2011          Bahia Muyuyo Redevelopment  
*Client: Lapentti Development, Guayaquil, Ecuador*  
Consultant for development of 450 hectare site featuring ecological development of urbanizing area west of Guayaquil.
- 2009-10      Portland Sustainability Institute, EcoDistricts Initiative  
*Client: PoSI, Portland, OR*  
Consultant for new government-sponsored sustainability institute on eco-districts initiative and other regional sustainability goals. Lead author of white paper "toolkit" on policy changes needed.
- 2010          Stafford Triangle Urbanization Strategy  
*Client: City of Lake Oswego, Oregon*  
Developed strategic plan for urbanization of new urban extension area of Portland urban growth boundary. wrote draft Inter-Governmental Agreement.
- 2010          South Downtown Town Center and Transit-Oriented Development  
*Client: City of Milwaukie, Oregon*  
Strategic development advisor for the City.
- 2009          Metro 2040 Regional Growth Plan Implementation (EAG Report)  
*Client: Metro (Portland, OR)*  
Advised local government on transit-oriented development and development of successful centers and corridors, and low-carbon planning, as part of Expert Advisory Group. Completed and presented report on regional strategy.
- 2009          Badger Project, Redmond, Oregon  
*Client: Serjante Group*  
Project management consultant for analysis, acquisition, design team assembly, entitlement, project economics, marketing for 50-acre master-planned community featuring on-site power, waste recovery systems, solar photovoltaics and other features.

- 2008 Oslo Harbor Redevelopment, Norway  
*Client: Bjorvika Local Council, Oslo*  
 Consulted with local government on harborfront redevelopment project, and standards of sustainability and low-carbon design.
- 2008 Santa Rosa, Queretaro, Mexico  
*Client: Nuevo Urbanismo LatinoAmerica (NULA)*  
 Consulted on LEED-ND and design concepts for urban extension project for 20,000 homes in a major city near Mexico City, experiencing rapid urbanization.
- 2007 Ontario Growth Secretariat, Toronto Ontario  
*Client: Ontario Growth Secretariat*  
 Consulted with local government on transit-oriented development and case studies for Ontario's regional planning.
- 2007 Klamath Valley Revitalization Planning, California  
*Client: Ford Family Foundation*  
 Consulted with local stakeholders and government representatives on new economic and design strategies for revitalization of economically depressed timber region. Developed a community "Pattern Language" and proposals for a community arts center, now in progress.
- 2007-09 Cherry Park at Orenco Station  
*Client: Walsh Investment Company, Portland, OR*  
 Transit-oriented development project consisting of one 5-acre parcel and 61 homes, and adjacent parcels totaling 10 acres for mixed-use development (part of the final phases of Orenco Station – see below). Project manager, design team leader, coordinator of architecture, engineering and entitlement, and consultant on project economics and marketing.
- 2007-09 Pringle Creek Community, Salem, Oregon  
*Client: Sustainable Development Incorporated, Salem, OR*  
 Award-winning redevelopment of 250-acre Oregon State Hospital site, with extensive use of new ecological neighborhood design features including LEED-ND compliant design and the highest-scoring LEED home in the US at the time. Consultant to owner for all phases of development.
- 2006-08 Unified New Orleans Plan  
 Regional and local planning for hurricane-ravaged New Orleans  
*Client: Greater New Orleans Foundation, Unified New Orleans Plan (City of New Orleans)*  
 Helped to organize and run a major planning project, including a local community charrette. Spearheaded a major element of the plan "Neighborhood Rebuilding Centers," now a key part of the Unified New Orleans Plan. Worked closely with residents, business owners, local government officials, national agencies, and technical experts.

- 2006           Gentilly Community Charrette  
Local recovery planning for post-Katrina New Orleans  
*Client: Gentilly Civic Improvement Association, New Orleans City Councilwoman  
Cynthia Hedge-Morrell*  
Helped to organize and run a planning pilot project, including a local community  
charrette. Developed early concepts of recovery, conducting research. Worked  
closely with residents, business owners, local government officials, national  
agencies, sociologists, and technical experts.
- 2005           Coastal Mississippi Recovery Plan  
Regional and local planning for hurricane-ravaged section of coastal Mississippi  
*Client: Mississippi Governor's Office and Mississippi Renewal Forum*  
Helped to organize and run a major regional planning and urban design project at  
the invitation of the Mississippi Governor. Met with local planners, elected  
officials, citizens et al., and developed detailed proposals.
- 2001-present Harbor Peak, Brookings, Oregon  
*Client: Harbor Construction*  
Consulting project manager for new mixed-use community of 1,200 homes and  
50,000 SF commercial. Assembled design team, conducted master planning and  
design guidelines, worked with consultants and government officials.
- 1997-2003    Orenco Station, Oregon  
*Client/Employer: PacTrust*  
Owner representative and project manager for new mixed-use community of  
1,800 homes and 650,000 SF retail/office/industrial. Management of urban  
design and building design for a large pension-fund partnership, in close  
collaboration with regional planning authorities. Supervised the production of  
design documents and publications, and managed all phases. Prominent  
award-winning project.

## 10. PUBLICATIONS

### Refereed Journal Articles (h-index =6; I10=2)

1. "On the Importance of Post-Occupancy Research." *Journal of Urbanism: International Research on Placemaking and Urban Sustainability*. Volume 4, Issue 2, 2011
2. "A City is Not a Rhinoceros: On the opportunities and dangers of morphogenetic design." *Built Environment*. Vol 37, No. 4, December 2011.
3. "Quality of Life by Design: The Science of a Structuralist Revolution"  
Invited paper for the Athens Dialogues on Culture and Civilisation  
*The Athens Dialogues E-journal*, November 2010  
Accessed at <http://athensdialogues.chs.harvard.edu>
4. "Urban Nuclei and the Geometry of Streets: The "Emergent Nuclei" Model"  
Paper co-authored with S. Porta, Y Rofe and N Salingaros  
*Urban Design International*, Volume 15, Number 1, 2010 , pp. 22-46(25)
5. "The Factors of Urban Morphology in Greenhouse Gas Emissions: A Research Overview"  
Paper co-authored with D Urge-Vorsatz (IPCC) and S Cowan (Sustasis Foundation)  
Accepted and presented at the International Alliance of Research Universities  
Scientific Conference on Climate Change, Copenhagen DK. *IOP Conf. Ser.: Earth Environ. Sci.* 6 202001, March 2009
6. "Opportunities and dangers in the current urban research agenda"  
Outline of current challenges for research in sustainable urbanism  
*Journal of Urbanism* (2-1, 5-6), March 2009
7. "Generative Methods in Urban Design: A Progress Assessment"  
*Journal of Urbanism* (1-1, 59-79), March 2008
8. "On the Nature of Order: An Interview with Christopher Alexander"  
*Urban Design International* (12, 51-57), 2007
9. "Notes on the Genesis of Wholes: Christopher Alexander and his Continuing Influence"  
*Urban Design International* (12, 41-49), 2007
10. "Social Housing: A Methodology to Utilize Processes of Self-Organization"  
Paper co-authored with D Brain, A Duany, E Philibert, N Salingaros  
*Proceedings of the Ibero-American Congress on Social Housing*, 2006

### Book Reviews

1. *Biophilic Design: The Theory, Science, and Practice of Bringing Buildings to Life*  
Stephen R. Kellert Judith H. Heerwagen and Martin L. Meador, eds.



Proceedings of the Institution of Civil Engineers (UK), May 2012

2. *Planning Paris Before Haussmann*  
Nicholas Papayanis, author  
Journal of Planning Literature, August 2005

### **Book Chapters**

1. Epilogue: "A Pattern Lingo"  
Charter of the New Urbanism, 20<sup>th</sup> Anniversary Edition  
Congress for the New Urbanism, Ed., Princeton Press (forthcoming)
2. Art Vitiating Life  
In *Territorial Claims: Landscape Urbanism and the Quest for Sustainable Human Settlement*, Emily Talen, Ed., Washington, D.C.: Island Press (forthcoming)
3. Climate Change and the Differential Evidence of European Urbanism  
In *Sustainable Urbanism and Beyond*, Tigran Haas, ed. New York: Rizzoli, 2012
4. Building Sustainable Communities: The Ecological and Economic Toolkit  
In *Sustainable and Resilient Communities: A comprehensive action plan for towns, cities and regions*. Steven Coyle, Ed. 2010: John Wiley and Sons, New York.
5. Horizons of Pattern Languages  
In *Patterns, Pattern Languages and Sustainability: Symposium Proceedings*  
University of Oregon Foundation, May 2010
6. Another Version of Nature: On the Abuse of an Ideal  
Co-authored with Brian Hanson  
In *New Palladians: Modernity and Sustainability in the 21<sup>st</sup> Century*  
ArtMedia Press, London, May 2010
7. Evolving Conceptions of Sustainability  
In *The Venice Charter Revisited*  
Matthew Hardy, Ed.  
Cambridge Scholars Publishing, Newcastle (UK), November 2008
8. Growing Sustainable Suburbs: An Incremental Strategy for Reconstructing Sprawl  
Co-authored with Nikos Salingaros and Lucien Steil  
In *New Urbanism & Beyond: Contemporary and Future Trends in Urban Design*  
Rizzoli, New York, March 2008
9. New Science, New Architecture... New Urbanism?  
In *New Urbanism & Beyond: Contemporary and Future Trends in Urban Design*  
Rizzoli, New York, March 2008
10. Generative Codes: The Path to Welcoming, Beautiful and Sustainable Neighborhoods

Co-authored with Christopher Alexander, Maggie Moore Alexander, Brian Hanson and Randy Schmidt. In *New Urbanism & Beyond: Contemporary and Future Trends in Urban Design*. Rizzoli, New York, March 2008

11. From Pattern Languages to Generative Codes: A Report on the Work of Christopher Alexander and Associates  
In *New Architecture and Urbanism: Development of Indian Traditions*  
INTBAU-INDIA, New Delhi, 2008
12. Architectural Education in an “Age of Sustainability”  
In *Proceedings of The Oxford Conference: A Re-Evaluation of Education in Architecture*  
WIT Press (59-62), July 2008
13. Codes and the Architecture of Life  
In *Crossover: Architecture, Urbanism, Technology*  
010 Publishers, Rotterdam, 2006
14. Geometrical Fundamentalism  
(With Nikos Salingaros)  
In *A Theory of Architecture*  
Umbau-Verlag, Sollingen, 2006
15. Making TODs Work: Lessons From Orenco Station  
In *Planetizen’s Contemporary Debates in Urban Planning*  
Island Press, 2006
16. Education and Practice for a New Modernity  
In *The Teaching of Architecture and Urbanism in the Age of Globalisation*  
Caleidoscopio, Casal de Cambra, Portugal, 2006
17. The Architecture of the New Modernity  
In *Aesthetics and Architectural Composition*  
Literature Verlag, Dresden, 2005
18. Deconstructing the Decons  
(With Nikos Salingaros)  
In *Anti-Architecture and Deconstruction*  
Umbau-Verlag, Sollingen, 2005
19. The Viseu Declaration on Architectural Education in the 21st Century  
(Principal author/drafter)  
In *Windsor Forum on Design Education: Toward an Ideal Curriculum to Reform Architectural Education*  
New Urban Press, Miami, 2004

#### **Non-Refereed Professional Articles**

1. "How Sprawl is Killing Us"  
The Atlantic Cities, July 2012
2. "The Real Reason Cities Can Be So Much Greener Than Other Places"  
The Atlantic Cities, February 2012
3. "The Unbearable Cost of Sprawl"  
The Atlantic Cities, November 2011
4. "Sovereign Debt Crisis: Implications for Europe"  
*Urban Land* (Urban Land Institute), December 1, 2011
5. "The Panama Canal Expansion and Impact on Industrial Real Estate"  
*Urban Land* (Urban Land Institute), November 29, 2011
6. "Postindustrial Development: A Growing Opportunity for Sustainable Development"  
*Urban Land* (Urban Land Institute), November 29, 2011
7. "Reports of the Death of GSEs May Be Greatly Exaggerated"  
*Urban Land* (Urban Land Institute), October 28, 2011
8. "Recovery in the U.S. economy is well underway—but continued unemployment and the European debt crisis are leaving a 'global stagnation cloud'"  
*Urban Land* (Urban Land Institute), October 28, 2011
9. "How are public-private partnerships faring in today's tough environment?"  
*Urban Land* (Urban Land Institute), June 2011
10. "Reduce, Re-use – Renovate"  
*Urban Land* (Urban Land Institute), January 2011
11. "Another view of closed-end funds"  
An interview with Simon Treacy  
*Urban Land* (Urban Land Institute), Dec 2010
12. "Going to Town"  
Three European cities tackle urban vitality and climate change with varying approaches to town center redevelopment  
*Urban Land* (Urban Land Institute), Nov-Dec 2008
13. "Oslo's 'Fjord City'"  
After controversy forced a redesign, an ambitious harbor redevelopment plan is proceeding  
*Urban Land*, October 2008
14. Discourse: "Patterns of City Life"  
*Daylight and Architecture*, June 2008

15. "Sustainable Cities Without Skyscrapers?"  
*Corriere Della Serra*, 2008 (Italian)
16. "Venezuela's Socialist Cities"  
Awash in oil profits, the Hugo Chavez government is embarking on a plan to resettle hundreds of thousands of slum dwellers in new sustainable exurban communities  
*Urban Land*, May 2008
17. "Cuba Libre?"  
Uncertainty builds as Cubans anticipate economic reforms following Fidel Castro's resignation  
*Urban Land*, March 2008
18. "Research and Development Priorities for the Long Emergency"  
*Council Report V*, Congress for the New Urbanism, February 2008
19. "Redeveloping the Sink Estates:  
England explores new options for a generation of failing public housing"  
*Urban Land*, February 2008
20. "Book Review: The Act of Creation and the Spirit of Place"  
*Urban Design International* (12, 59 – 61), 13 Aug 2007
21. "Oregon Green: A new community in Salem, Oregon is raising the bar for sustainable development"  
*Urban Land*, June 2007
22. "Advice from a Town Center Builder"  
*Planning Commissioners' Journal* Spring 2006
23. "The Real Avant-Garde"  
Essay Column  
*Building* (UK), April 2006
24. "Book Review: Planning Paris Before Haussmann"  
*Journal of Planning Literature*, Vol. 20, No. 4, 462-463 (2006)
25. "Dear Bill: Poundbury versus BedZed"  
Joint Essay/Debate with Ecological Architect Bill Dunster  
*Building* (UK), May 2005
26. "Urban Myths"  
Essay on New Urbanism and Its Critics  
*Planetizen*, May 2005
27. "Attack of the Clones?"

Essay on the UK Government Plans for Housebuilding  
*Regeneration and Renewal*, December 2004

28. "The New Modernity"  
*Katarxis3*, September 2004

29. "Meaning and the Structure of Things"  
*Katarxis3*, September 2004

## 11. INVITED LECTURES AND PROFESSIONAL PRESENTATIONS

1. Place Networks: Toward an integrated model of urban spatial relations  
(*Redes de Lugar: Hacia un modelo integrado de los relaciones espaciales urbanas*)  
Keynote Lecture for "Habitat en Seminario" Conference (given in Spanish)  
Escuela del Habitat – CEHAP  
Universidad Nacional de Colombia  
Medellin, Colombia, October 2012
2. Christopher Alexander's *The Nature of Order*. Exploring new strategies for the management of complexity  
Keynote Speech  
VistA Software Second Annual Developer Conference  
Seattle, WA., September 2012
3. Biophilia and Evidence-Based Design  
In conference, "Settimana de Buon Vivere"  
Symposium co-organized with Richard J. Jackson (UCLA), Stephen Kellert (Yale),  
Center for Health Design and Renato Troncon (Univ of Trento).  
Cesena, Italy, October, 2011
4. The Structure of Walkable Cities  
Invited lecture to the City of Glasgow  
Glasgow, UK October, 2011
5. Walkability and Age-Friendly Cities  
Keynote speech for WHO "Age-Friendly Cities" conference  
Dublin, Ireland, September 2011
6. The Modern Structure of Walkable Cities  
Sir David Anderson Award Lecture  
University of Strathclyde  
Glasgow, UK, May 2011
7. Sustainability in the Post-Sprawl Economy  
Keynote/introduction for INTBAU Symposium  
In "Growing Green" conference  
Chicago, IL., October 2010

8. Connecting the Dots Between Land Use, Transit and Affordable Housing:  
Achieving “Settlement Efficiency”  
Housing Land Advocates Conference  
Salem, Oregon, October 2010
9. New Advancements in Biophilia and Evidence-Based Design  
In conference series, “La Settimana de Buon Vivere”  
Forli, Italy, October, 2010
10. Orenco Station: Case Study and Post-Occupancy Research  
Presentation to delegation of policy and business leaders  
from Queensland, Australia  
Hillsboro, Oregon, September 2010
11. New Advancements in Sustainable Urban Technology  
In professional symposium, “Design and Engineering for the 21<sup>st</sup> Century”  
TIS Innovation Park  
Bolzano, Italy, May 2010
12. Evidence-Based Design: Evolving Implications for Practitioners  
Congress for the New Urbanism  
Atlanta, Georgia, May 2010
13. Sprawl Retrofit: An Update from Portland  
Congress for the New Urbanism  
Atlanta, Georgia, May 2010
14. Climate Change and Innovative Urban Technology  
Lecture for public series on philosophy and technology  
University of Trento  
Trento, Italy, March 2010
15. Sustainable Urbanism: An Opportunity Within a Crisis  
Timisoara University Public Lecture Series  
Timisoara, Romania, April 2010
16. What is Sustainable Urbanism? Evolving Concepts, Metrics and Methodologies  
Lecture for the Dortmund Public Lecture Series  
Technical University Dortmund  
Dortmund, Germany December 2009
17. The Work of Christopher Alexander  
Introductory address for the Vincent Scully Prize  
National Building Museum, November 2009
18. New Horizons of Pattern Languages  
Keynote address, conference “Patterns, Pattern Languages and Sustainability”  
University of Oregon, October 2009

19. The Convergence of the Ecological and the Economic  
Lecture at the Traditional Building Exposition and Conference  
Baltimore, MD, October 2009
20. Craft, Place and Sustainability  
Lecture for the European School of Urbanism and Architecture  
Curtisoara, Romania, August 2009
21. Portland and Vancouver: Profiles of New Sustainability Efforts  
Lecture, study tour and moderation of symposia  
Portland Metro, City of Portland, University of Oregon  
City of Vancouver, University of British Columbia, Simon Frasier University  
ITESM University, July 2009
22. Recent Research in Sustainable Buildings and Urbanism  
INTBAU College of Traditional Practitioners  
Symposium on Sustainable Building  
Art Workers' Guild, London
23. The Factors of Urban Morphology in Greenhouse Gas Emissions:  
A Research Overview  
Paper presented at the International Alliance of Research Universities  
Scientific Congress on Climate Change  
Copenhagen, March 2009
24. Lessons from the New Sciences for Sustainable Architecture  
Conference on Sustainable Architecture  
University of Notre Dame (US), February 2009
25. Unpacking Density: A Research Overview  
Council for European Urbanism conference, "Climate Change and Urban Design"  
Oslo, Norway, September 2008
26. The European School of Urbanism and Architecture: Curriculum Structure and Test  
Results  
Council for European Urbanism conference, "Climate Change and Urban Design"  
Oslo, Norway, September 2008
27. New Generative Methodologies for Low-Carbon Urban Morphology  
Presentation to Urban Research Seminar at the Bartlett School of Planning  
University College London, June 2008
28. Architectural Education for an "Age of Sustainability"  
Oxford University 50th Anniversary Conference on Architectural Education  
Oxford, UK, Jul 2008

29. Climate Change and Urban Design: An Overview of Recent Trends, Metrics, Tools  
Lecture to students of Technical University Berlin and others  
Programme of the European School of Urbanism and Architecture  
Berlin, Germany, June 2008
30. Mechanism Design Theory and Sustainable Urban Development  
Presentation of paper to the Academic Session, Congress for the New Urbanism  
Austin, Texas, April 2008
31. Toward a Sustainable 21st Century Urbanism  
Public lecture at Tecnologico de Monterrey University  
Queretaro, Mexico, February 2008
32. Climate Change and Urban Design: The Implications of New Research  
Lecture at Oslo harbor redevelopment community planning workshop  
Oslo, Norway, January 2008
33. Tools for Urban Connectivity  
Lecture to students of Timisoara University and others  
Programme of the European School of Urbanism and Architecture  
Oslo, Norway, January 2008
34. The Death and Life of a Great American City: Lessons from New Orleans  
Presentation to the American Society of Landscape Architects 2007 Conference  
San Francisco, CA October 2007
35. The New Sciences and the Spirit of Place: Evolving Models of Conservation Science  
Keynote Address to ICOMOS Canada 2008 Conference  
Montreal, Canada, October 2007
36. Tradition and Collective Intelligence: The Launch of INTBAU USA  
Inaugural lecture for the US chapter of the International Network for  
Traditional Building, Architecture and Urbanism (INTBAU)  
New Orleans, Louisiana October 2007
37. Whatever Happened to Urbanism? A Study Tour of UK History  
Presentation to Urban Research Seminar at the Bartlett School of Planning  
University College London, July 2007
38. Making TODs Work: Lessons from Portland's Regional Planning Experience  
Presentation to the Places to Grow Conference, Ontario Growth Secretariat  
Toronto, Canada, May 2007
39. The Charrette Process and its Potential Contribution to Havana  
Introductory lecture for the Council for European Urbanism Meeting and Workshop  
Havana, Cuba February 2007



40. From Pattern Languages to Generative Codes:  
An Update on Recent Work of Christopher Alexander and Colleagues  
Invited lecture at the INTBAU India conference on New Architecture in India  
New Delhi, India, January 2007
41. International Research in Participatory Planning  
Plenary lecture at the Movement for Israeli Urbanism conference  
Haifa, Israel, December 2006
42. Codes for the Generation of Urban Structure  
Plenary lecture at the Movement for Israeli Urbanism conference  
Haifa, Israel, December 2006
43. New Tools for the New Urban Challenges  
Lecture to Graduate Students of the University of Bologna  
Luxembourg City, Luxembourg, November 2006
44. Sustainable Urban Morphology: Analytic Models and Generative Methodologies  
Lecture and symposium moderation of a research symposium at University College  
London  
London, UK, November 2006
45. Pastiche Versus Revival: New Insights into Collective Intelligence in Architecture  
Paper and session moderation at the Venice Biennale, INTBAU conference "The  
Venice Charter Revisited"  
Venice, Italy November 2006
46. Reconnecting the Modern Suburb: An Overview of Transit-Oriented Development  
Lecture to a conference of The Seaside Institute on "Retrofitting the Suburbs: New  
Urbanism in the West"  
Portland, Oregon, August 2006
47. What is a "Culture of Building"?  
Lecture to the Summer School of The Prince's Foundation on "The Culture of  
Building"  
York, UK, August 2006
48. Unfoldings: The Building Blocks of Living Neighborhoods  
Lecture and discussion with Christopher Alexander at CNU Conference  
Providence, Rhode Island, June 2006
49. Toward a New Operating System for Growth  
Lecture at The Sopris Foundation Conference, "Innovative Ideas for a New West"  
Aspen, Colorado, May 2006
50. New Tools for the New Urban Challenges  
Public lecture at Tecnológico de Monterrey University  
Queretaro, Mexico, April 2006

51. The New Authenticity in Architecture  
Lecture to symposium at the University of Miami, inaugurating the Perez Building  
Miami, FL, October 2005
52. Keynote Speech  
Lecture opening the American Institute of Architects Conference on Architectural  
Education  
Bath, UK, September 2005
53. Codes and the Generation of Urban Form: Recent Developments  
Lecture and session moderation at conference, International Seminar on Urban Form  
London, UK, August 2005
54. The Built Environment and Its Role in Public Health: Evolving Implications for  
Practitioners  
Lecture and discussion at seminar for Commission for Architecture and the Built  
Environment  
London, UK, July 05
55. Modern Culture and the Changing Science of Urbanism  
Conference, "Urban Development and Urban Culture"  
Umea University, Centre for Regional Science  
Umea, Sweden, June 2005
56. The Return of Urbanism: A New Leadership Role for Architects  
Inaugural Lecture, launch of new Masters Program  
Tecnologico de Monterrey, Queretaro Campus  
Queretaro, Mexico, May 2005
57. New Science, New Architecture?  
The Deeper Implications of a "New Paradigm" in Architecture and Design  
Guest Lecture to Architecture and Industrial Design Programs  
Tecnologico de Monterrey, Queretaro Campus  
Queretaro, Mexico, May 2005
58. Urbanization and Coding Approaches: The Return of Urbanism  
Conference, "Urban Design"  
The Royal Town Planning Institute  
London, UK April 2005
59. Public Health and the Built Environment  
Conference, "The Healing Environment"  
Royal College of Physicians  
London, UK February 2005
60. Building Better with Local "DNA"  
Conference, "The Influential Councillor"  
Local Government Association  
London, UK January 2005

61. Appropriate Design for Historic Contexts: “Pastiche” versus Revival  
Conference, “Design in Historic Contexts”  
College of Estate Management  
Reading, UK, June 2004
62. Modern Culture and the Search for a New Paradigm (guest lecture)  
School of Architecture and Construction, University of Greenwich  
Greenwich, London, UK October 2004
63. Beyond New Urbanism: Toward New Generative Codes  
Royal Institute of Technology, Stockholm  
Stockholm, Sweden October 2004
64. Codes and the Architecture of Life  
Inaugural Conference on Design Tools  
Technical University of Delft  
Delft, Netherlands June 2004

*(Material before 2004 not included.)*

## 12. CLASSES TAUGHT WITH OWN SYLLABI

1. Urban Design Theory  
*School of Geographical Sciences and Urban Planning  
Arizona State University, 2011*
2. Urban Design Practice  
*School of Geographical Sciences and Urban Planning  
Arizona State University, 2011*
3. Urban Design Workshop: Walkable Cities  
*School of Geographical Sciences and Urban Planning  
Arizona State University, 2011*
4. Sustainable Urban Dynamics  
*School of Sustainability  
Arizona State University, 2011*
5. Planning Studio  
*School of Geographical Sciences and Urban Planning  
Arizona State University, 2011*
6. Zoning, Subdivision and Building Codes  
*School of Geographical Sciences and Urban Planning  
Arizona State University, 2011*
7. Architectural Design Theory  
*School of Architecture and Allied Arts – Graduate Program  
University of Oregon, 2008*
8. Architecture and New Urbanism  
(Modular continuing education courses in specialized topics)  
*Tec de Monterrey, 2006-2010*
9. Sustainable Urban Development  
(Modular pilot courses for Masters degree program in sustainable urban development, now in operation at University of Oxford)  
*The Prince's Foundation for the Built Environment, 2004-2005*

## 13. GUEST LECTURER TOPICS

Design theory, design history, evidence-based design, complexity and cities, comparative urban morphology, sustainable urban development, biophilia, urban design coding, certification systems, LEED-ND, Transit-Oriented Development, New Urbanism, the work of Christopher Alexander, the work of Jane Jacobs, the work of Alfred North Whitehead, and related topics. Conduct design critiques, studio reviews. Organize, lead or co-lead study tours of London, Garden Cities/New Towns, Italy, Romania, Germany, Norway, Portland, Vancouver, et al.

**14. CONFERENCES AND SYMPOSIA, CO-ORGANIZED AND/OR MODERATED  
(SELECTED)**

1. "Scaling and Cities: New Frontiers of Urban Science"  
Co-organized interdisciplinary symposium with physicists, economists, geographers and urbanists: Luis Bettencourt, Luc Anselin, Emily Talen, Mike Batty, Jose Lobo, Sergio Rey, et al.  
Santa Fe Institute, University College London and Arizona State University, October 2011
2. "New Advancements in Biophilia and Evidence-Based Design"  
Part of conference series, "La Settimana de Buon Vivere"  
Co-organized conference with colleagues from Yale University, UCLA, University of Trento, and Arizona State University  
Center for Aesthetics in Practice and Legacoop, Forli, Italy, October 2011
3. "Cities and Evolution"  
Symposium with Stephen Marshall, Mike Batty, Bill Hillier, Philip Steadman  
University College London, 2009
4. "Climate Change and Urban Design"  
Council for European Urbanism  
Oslo, Norway, 2008
5. "Self-Organization and the Recovering City"  
Symposium with David Brain, Andres Duany, Mary Rowe, Stuart Cowan, et al.  
New Orleans, LA, 2007
6. "Design for Self-Organization"  
Symposium with Brian Goodwin, Stephen Marshall, Mike Batty, Bill Hillier, Emily Talen, Paul Murrain, Besim Hakim, Audun Engh, et al.  
Symposium with ESRG and University College London  
London, UK, 2006