



Curriculum Vitae

Michael W Mehaffy, Ph.D.

PO Box 2579
White Salmon WA 98672
michael.mehaffy@gmail.com

1. SUMMARY

Current or former appointments in teaching and/or research at ten universities in eight countries (architecture, urban planning and philosophy departments). Over two decades of experience in consulting to national, regional and local governments, businesses and NGOs, with experience in North America, South America, Europe and Asia. Over a decade of executive leadership experience in private and NGO organizations. Author of five books and over twenty book chapters as well as over 100 refereed and professional articles. Frequent public speaker and contributor to professional blogs and media interviews. Graduate education in urban planning, architecture, design, philosophy, public affairs, and business administration at the University of Texas at Austin, UC Berkeley, and Delft University of Technology.

2. EDUCATION

Ph.D., Delft University of Technology, Netherlands, Faculty of Architecture. Awarded Doctorate for research in architecture, urban design and development, focusing on greenhouse gas emissions modeling. Architecture program ranked #3 in QR World University Rankings. (2011–2015)

The University of California, Berkeley, College of Environmental Design, Masters Program in Architecture. Study areas: architecture, planning, urban design and sustainable urban development. Credit toward Masters degree. GPA 3.8. (1980–1981)

The University of Texas at Austin, Graduate School, Masters Program in Department of Philosophy. Study areas: philosophy of science, philosophy of design, culture and technology, public affairs, and business management theory. Credit toward Masters degree. Graduate Record Exam: 720 Verbal, 700 Math. (1979–1980)

The Evergreen State College. Architecture, music composition, and liberal arts. Innovative program in self-directed scholarship. Bachelor of Arts. (1977–1978)

The University of Texas, Plan II Interdisciplinary Honors Program. Liberal arts, sciences and philosophy. (1975–1976)

California Institute of the Arts. 20th century music, art, design, philosophy and liberal arts. Granted early admission. (1973–1975)

3. ACADEMIC AND RESEARCH EXPERIENCE

Faculty Associate, Arizona State University. Periodic and/or dual appointment to School of Geographical Sciences and Urban Planning, and School of Sustainability, Phoenix, AZ. Lecturer and researcher in urban planning and design, sustainable urban development, TOD, codes, zoning, development economics, and related topics. Most recent Likert evaluation mean scores 1.10 and 4.75 (approx. 94%). (2011-present)

Visiting Researcher (Contract), Hong Kong University of Science and Technology (Guangzhou Campus). Research on Christopher Alexander's work, as well as guest lectures and symposia. (August-December, 2023).

Visiting Faculty, Łodz University of Technology, Łodz, Poland. Instruction and mentorship to Ph.D. students in the School of Architecture. (June-July 2022).

Senior Researcher, KTH Royal Institute of Technology, Stockholm. Research into implementation of the UN New Urban Agenda, and the specific requirements of sustainable urban development. (2016-2018 as Senior Researcher, 2018-2021 as Senior Guest Researcher.)

Member of the Faculty and Researcher, Delft University of Technology. Research in urban morphology and greenhouse gas emissions. Doctoral research was completed and published September 2015 (awarded doctorate on 30 November 2015).

Adjunct Faculty Member, University of Oregon, School of Architecture and Allied Arts. Instruction in architecture and urban design theory, history, design studio, Portland Urban Architecture Program. Research Associate, Portland Urban Architecture Research Laboratory. (2008-2013)

Sir David Anderson Fellow, University of Strathclyde, Faculty of Architecture, Glasgow, UK. Researcher and lecturer in sustainable architecture, urban design and development, and walkable cities. Consultant on curriculum development for new graduate degree and distance learning programs. 1-year appointment. (2011-2012)

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. (2010-2011)

Visiting Professor, Tecnológico 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. (2006-2012, intermittent)

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. (2006–2012)

Invited Lecturer and/or Visiting Critic at over 50 universities including UCL, Oxford, Harvard, Stanford, Yale, University of Cape Town, Da Nang Technical University, Masdar Institute of Science and Technology, University of Novosibirsk, and International University of Santa Cruz (Bolivia). (2003–present)

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. Website: www.esua.org. (2007–2008)

Coordinator, EDUAC project (European Dissemination of Urbanism Architecture and Crafts). Directed development of a pilot curriculum in sustainable urban development, with an emphasis on the integration of traditional crafts skills. (2008–2010)

Director of Education, The Prince's Foundation for the Built Environment. Partnered with universities and NGOs developing new professional education programme and curriculum in sustainable urban development. Later developed as a Masters and Ph.D. in Sustainable Urban Development at Oxford University. (2003–2005)

4. PROFESSIONAL EXPERIENCE

President, Structura Naturalis Inc. Consultant to governments, NGOs and private developers in sustainable development strategies, urban designs, codes, standards and certifications. Projects have included landmark urban development projects in the US, Canada, Mexico, South America, Europe and Asia. Work has pioneered new tools, certification programs and implementation strategies, reflecting the latest advanced research and evidence-based practice. (1993–present)

Executive Director, Sustasis Foundation, 501(c)(3) NGO in Oregon. Research, publication and consulting in climate change and urban morphology, new coding approaches, strategic urban development, implementation strategies, economic toolkits, and related topics. Create partnerships and research for publication; organize or collaborate on conferences and symposia. Website: www.sustasis.net. (2007–present)

Executive Director, Lennard Institute for Livable Cities, 501(c)(3) NGO in Oregon. Manage the International Making Cities Livable (IMCL) conference series begun in 1985. 2022 conference in Paris will focus on the "15-minute city" with Professor Carlos Moreno and other international leaders.

Senior Fellow, Ax:son Johnson Foundation, Stockholm, SE. Research and collaborations with UN-Habitat and others, including publications, conferences and other activities. Direct the Future of Places Research Network, in partnership with UN-Habitat and Centre for the Future of Places, KTH Royal Institute of Technology. (2018-2021.)

Director of Education, The Prince's Foundation for the Built Environment. Directed creation of a new program 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. (2003–2006)

Project Executive, 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.” The project used one of the earliest “form-based codes” in the country. (1997–2003)

Project Manager, designer, builder and developer, Green Gables Design and Restoration Inc. (senior project manager), and/or Diata Development Co. (owner). Supervised projects to \$2 million and staff up to 20, including self-financed projects. (1982–1997)

5. EDITORIAL, NGO, OR ADVISORY BOARDS

Member, Editorial Board, *Urban Planning* (2021-present)

Member, Editorial Board, *Urban Design International* (2008-present)

Member, Editorial Board, *Journal of Urbanism* (2007-present)

Member, Editorial Board, *New Design Ideas* (2019-present)

Member, Program Committee, The Hillside Group (producers of the Pattern Languages of Programming conference series in computer software and technology systems) (2013-present)

Founding Board Member and former Chair, INTBAU-USA, US chapter of London-based NGO dedicated to sustainable urbanism in traditional settlements (2007-2016); elected Chair of international body, INTBAU College of Chapters (2014-2018).

Board member, Council for European Urbanism (C.E.U.), Stockholm-based professional association of urban planners, designers and architects (2009-2016).

President, Goose Hollow Foothills League, Portland, OR neighborhood association (2017-2019).

Member, Advisory Board, Expert Advisory Group on Development of Centers and Corridors, Metro (Portland) (2009).

Member, Research 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 (2007-2009).

Member, Correspondence Committee, LEED-ND sustainable urban rating system (2007-2009).

Co-chair, Sprawl Retrofit Initiative, Congress for the New Urbanism 2012-2017.

6. RESEARCH GRANTS AND PROGRAM CONTRACTS

Ax:son Johnson Foundation, Stockholm, SE. Grant of 75.000 SEK monthly support for research conducted in the Urban/City Research department, and also seconded to the Centre for the Future of Places at KTH Royal Institute of Technology. 2017-2022.

Sir David Anderson Bequest, University of Strathclyde, Glasgow, UK. £18,000 research award for work in sustainable urbanism, urban codes, walkable cities, curriculum development and related work. (See additional listing below.) 2011.

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. 2006-2008.

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, Christopher Alexander, PI; Michael Mehaffy, managing director. 2005-2006.

Academy for Sustainable Communities (UK), £20,000, grant to develop new professional education program at The Prince's Foundation for the Built Environment. Michael Mehaffy, Director of Education and applicant. 2004-2005.

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

7. HONORS AND AWARDS

Professor of Impact Award, College of Arts and Sciences, Arizona State University (2023); Professor of Impact Award, Herberger Institute for Design and the Arts, Arizona State University (2022); Fellow, Congress for the New Urbanism (2022); Lowenstein Leadership Award (2019); Labine Award for Creating a More Humane and Beautiful Built Environment (2018); Sir David Anderson Fellowship Award, University of Strathclyde, Glasgow, UK (2012); 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).

8. PROFESSIONAL CREDENTIALS

Fellow, Congress for the New Urbanism; Certified, CNU-A; Member, ICTP; Member, Urban Guild; Qualified to register as an architect in Washington State, USA pending exam as of 1996.

9. PROFESSIONAL RECOGNITION

Numerous interviews and/or profiles in *Scientific American*, *Newsweek*, *Voice of America*, *The Atlantic*, *The Wall Street Journal*, *Mother Jones*, *Traditional Building*, and many public radio programs. Regular contributing author, *Urban Land*, *Metropolis*, *Building* (UK), *Planetizen*, *Better Cities and Towns* (Public Square), *Cityminded*, *The Atlantic Cities*, *CityLab*, et al

10. PUBLICATIONS

Refereed Journal Articles

(March 2024 Google Scholar rankings: h-index =19; i10-Index=33; 4,079 citations)

1. "The 'Modern' Campus: Case Study in (Un) Sustainable Urbanism." Mehaffy, M. W., Salingaros, N. A., & Lavdas, A. A. (2023). *Sustainability*, 15(23), 16427.
2. "The Impacts of Online Experience on Health and Well-Being: The Overlooked Aesthetic Dimension." Gorichanaz, T., Lavdas, A.A., Mehaffy, M.W., Salingaros, N.S. (2023). *Virtual Worlds* 2(3), 243-266.
3. "Patterns of Growth: Operationalizing Alexander's 'Web Way of Thinking'" (2023). *Urban Planning* 8(3).
4. "Towards Liveable Urban Densities Using a GIS-Based Assessment Methodology." With Kovács-Györi, A., Gruber, G., & Ma, L. (2022). *Built Environment*, 48(3), 415-428.
5. "AI, the beauty of places, and the metaverse: beyond 'geometrical fundamentalism'". With Lavdas, A. A., & Salingaros, N. A. (2023). *Architectural Intelligence*, 2(1), 8.
6. "Symmetry in architecture: Toward an overdue reassessment." (With N. Salingaros.) *Symmetry: Culture and Science* 32 (3), 311-343, 2021.
7. "Health and Happiness in the New Urban Agenda: The Central Role of Public Space." *Sustainability* 13 (11), 5891, 2021.
8. "New Urbanism in the New Urban Agenda: Threads of an unfinished reformation." (With T. Haas.) *Urban Planning* 5 (4), 441-452, 2020.
9. "The impacts of symmetry in architecture and urbanism: Toward a new research agenda." *Buildings* 10 (12), 249, 2020.
10. Opportunities and Challenges of Geospatial Analysis for Promoting Urban Livability in the Era of Big Data and Machine Learning. (With A Kovacs-Györi, A Ristea, C Havas, MHH Hochmair, B Resch.) *ISPRS International Journal of Geo-Information* 9 (12), 752, 2020.

11. What Still Matters in a City. (With T. Haas and P. Elmlund.) *The Journal of Public Space* 5 (3), 31-38, 2020.
12. "Public Space in the New Urban Agenda: Research into implementation." (With T Haas, P Elmlund.) *Urban Planning* 4 (2), 134-137, 2019.
13. "Implementing the New Urban Agenda: The central role of public space." (With P Elmlund, K Farrell.) *Urban Design International* 24 (1), 4-6, 2019.
14. "Assessing Alexander's later contributions to a science of cities." *Urban Science* 3 (2), 59, 2019.
15. "Public Space in the New Urban Agenda." *The Journal of Public Space* 4 (4), 115-124, 2019.
16. Assessing and representing livability through the analysis of residential preference. (With A. Kovacs-Györi, P Cabrera-Barona, B Resch, T Blaschke. *Sustainability* 11 (18),4934
17. "Informality in the New Urban Agenda: A new paradigm?" (With T. Haas.) *Berkeley Planning Journal*, 30 (1), 2018.
18. "Evaluating Landscape Urbanism: evidence from Lafayette Park, Detroit." (With R. Locke, P. Elmlund). *Journal of Urbanism: International Research on Placemaking and Urban Sustainability*, 12 (1), 2018.
19. "Main street plot scale in urban design for inclusive economies: Stockholm case studies." (With R. Danenberg, S. Porta, P. Elmlund). *Proceedings of the Institution of Civil Engineers-Urban Design and Planning* (2018).
20. "Urban heritage as a generator of landscapes: Building new geographies from post-urban decline in Detroit." (With R. Locke, T. Haas, K. Olsson). *Urban Science* 2 (3), 92 (2018).
21. "Public space in the New Urban Agenda. The challenge of implementation." (With P. Elmlund, T. Haas). *The Journal of Public Space* 3 (1), 165-170 (2018).
22. "Neighborhood choice architecture: A new strategy for lower-emissions urban planning?" *Urban Planning*, 3-2 (2018). DOI: <http://dx.doi.org/10.17645/up.v3i2.1296>
23. "Counting urban carbon: Effective modeling of resource-efficient urban design Decisions under uncertain conditions." *International Journal of Architectural Research: ArchNet-IJAR* 8.2 (2014): 20-35.
24. "Unpacking density: Exploiting urban design variables in carbon reduction strategies." (With A van den Dobbelsteen and T Haas.) *Nordic Journal of Architectural Research*, 2.14 (2014): 9-34.

25. "The neighborhood unit on trial: A case study in the impacts of urban morphology." (With Sergio Porta and Ombretta Romice.) *Journal of Urbanism: International Research on Placemaking and Urban Sustainability* (2014): 1-19.
26. "Prospects for scenario-modelling urban design methodologies to achieve significant greenhouse gas emissions reductions." *Urban Design International*. 24 July 2013.
27. "Wiki as pattern language." (With Ward Cunningham.) In *Proceedings of the 20th Conference on Pattern Languages of Programs (PLoP'13)*, Monticello, Illinois, USA (October 2013). 15 pages.
28. "On the importance of post-occupancy research." *Journal of Urbanism: International Research on Placemaking and Urban Sustainability*. Volume 4, Issue 2, 2011
29. "A city is not a rhinoceros: On the opportunities and dangers of morphogenetic design." *Built Environment*. Vol 37, No. 4, December 2011.
30. "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>
31. "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)
32. "The factors of urban morphology in greenhouse gas emissions: 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
33. "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
34. "Generative methods in urban design: A progress assessment"
Journal of Urbanism (1-1, 59-79), March 2008
35. "On the Nature of Order: An interview with Christopher Alexander"
Urban Design International (12, 51-57), 2007
36. "Notes on the genesis of wholes: Christopher Alexander and his continuing influence"
Urban Design International (12, 41-49), 2007
37. "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

Books

1. *Notes on an Incomplete Architecture: On the Bewitchment of Intelligence and the Nature of Habitat* (2023). The Dalles: Sustasis Press.
2. *The Road Forward: Cost-Effective Policy Measures to Decrease Local and Global Emissions from Passenger Land Transport* (2022). Editor and co-author, with Jorge Rogat et al.
Sustasis Press, with UNEP-DTO, Copenhagen Centre on Energy Efficiency and KTH Royal Institute of Technology
3. *Toward a New Urbanism: Two Decades of Urban / City Research at the Ax:son Johnson Foundation* (2021). Editor and co-author, with Tigran Haas.
Sustasis Press, with KTH Royal Institute of Technology
4. *A New Pattern Language for Growing Regions: Places, Networks, Processes* (2020). Principal author and editor, with a number of contributing authors.
Sustasis Press, with UN-Habitat and KTH Royal Institute of Technology
5. *Cities Alive: Jane Jacobs, Christopher Alexander and the Roots of the New Urban Renaissance* (2017)
Portland: Sustasis Press
6. *A City is Not a Tree: 50th Anniversary Edition* (2015)
Editor and contributing author, including original essay by Christopher Alexander and contemporary commentaries.
Portland: Sustasis Press
7. *Urban Form and Greenhouse Gas Emissions: Findings, Strategies, and Design Decision Support Technologies* (2015)
Delft: ABE, Delft University of Technology (book of doctoral dissertation)
8. *Design for a Living Planet* (2014)
Co-authored with Nikos Salingaros.
Portland: Sustasis Press

Book Chapters

1. Smart cities: Missing the stigmergy? (2023)
(With P Elmlund.) In *Knowledge Management for Regional Policymaking* (R. Laurini, P. Nijkamp, K. Kourtit, and L. Bouzouina, Eds.) (pp. 149-161). London: Springer International Publishing.

2. "Curating main streets" (2023)
In *Street life: The Future of Urban Retail*. Toronto: University of Toronto Press.
C Kickert and E Talen, Editors
3. "The private lives of public spaces" (2020)
(With P Elmlund)
In *Routledge Handbook of Public Space*. London: Routledge.
V Mehta, Editor
4. "Public space and private conflicts in the New Urban Agenda" (2019)
(With P Elmlund and T Haas)
In *WIT Transactions on Ecology and the Environment*. Southampton: WIT Press.
S. Mambretti and J. L. Miralles, Editors
5. "New Urbanism and the New Urban Agenda" (2019)
In *A Research Agenda for New Urbanism*
E Talen, Editor
6. "New Urbanism and Sustainable Urban Form" (2016)
In *Sustainable Urban Forms*. Cognella, New York, 2016.
Bashir Kazimee, Editor
7. "The Empire's New Clothes" (2016)
In *The Geography of Nowhere, 20th Anniversary Edition*. Simon and Schuster, New
York, 2014. J. H. Kunstler, Principal Author and Editor
8. "A pattern lingo" (2013)
In *Charter of the New Urbanism, Second Edition*. Princeton: Princeton Press, 2013.
E. Talen, Editor
9. "Art vitiating life" (2013)
In *Landscape Urbanism and Its Discontents: Dissimulating the Sustainable City*
Washington, D.C.: Island Press, E. Talen and A Duany, Editors.
10. "Climate change and the differential evidence of European urbanism" (2013)
In *Sustainable Urbanism and Beyond*, New York: Rizzoli,
T. Haas, editor.
11. "Building sustainable communities: The ecological and economic toolkit" (2010)
In *Sustainable and Resilient Communities: A comprehensive action plan for towns, cities
and regions*: John Wiley and Sons, New York.
S. Coyle, Editor.
12. "Horizons of pattern languages" (2010)
In *Patterns, Pattern Languages and Sustainability: Symposium Proceedings*. University
of Oregon Foundation, H. Neis, Editor

13. "Another version of nature: On the abuse of an ideal" (2010)
(Co-authored with Brian Hanson)
In *New Palladians: Modernity and Sustainability in the 21st Century*. L Steil, Editor.
ArtMedia Press, London.
14. "Evolving conceptions of sustainability" (2008)
In *The Venice Charter Revisited*. Cambridge Scholars Publishing, Newcastle (UK).
Matthew Hardy, Ed.
15. "Growing Sustainable Suburbs: An Incremental Strategy for Reconstructing Sprawl"
Co-authored with N Salingaros and L Steil (2008)
In *New Urbanism & Beyond: Contemporary and Future Trends in Urban Design*
Rizzoli, New York.
16. "New Science, New Architecture... New Urbanism?" (2008)
In *New Urbanism & Beyond: Contemporary and Future Trends in Urban Design*
Rizzoli, New York.
17. "Generative Codes: The Path to Welcoming, Beautiful and Sustainable Neighborhoods"
(2008). Co-authored with C Alexander, M M Alexander, B Hanson and R Schmidt. In
New Urbanism & Beyond: Contemporary and Future Trends in Urban Design. Rizzoli,
New York, T. Haas, Editor.
18. "From Pattern Languages to Generative Codes: A Report on the Work of Christopher
Alexander and Associates" (2008)
In *New Architecture and Urbanism: Development of Indian Traditions*
INTBAU-INDIA, New Delhi.
19. "Architectural Education in an 'Age of Sustainability'" (2008)
In *Proceedings of The Oxford Conference: A Re-Evaluation of Education in Architecture*
WIT Press (59-62).
20. "Codes and the Architecture of Life" (2006)
In *Crossover: Architecture, Urbanism, Technology*
010 Publishers, Rotterdam.
21. "Geometrical Fundamentalism" (2006)
(With N Salingaros)
In *A Theory of Architecture* (Umbau-Verlag, Sollingen).
N Salingaros, Principal Author and Editor
22. "Making TODs Work: Lessons From Orenco Station" (2006)
In *Planetizen's Contemporary Debates in Urban Planning*
Washington, D.C.: Island Press.
23. "Education and Practice for a New Modernity" (2006)
In *The Teaching of Architecture and Urbanism in the Age of Globalisation*
Caleidoscopio, Casal de Cambra, Portugal.
J Baghana, Editor

24. "The Architecture of the New Modernity" (2005)
In *Aesthetics and Architectural Composition*
Literature Verlag, Dresden.
R Weber and M A Amann, Editors.
25. "Deconstructing the Decons" (2005)
(With N Salingaros)
In *Anti-Architecture and Deconstruction*
Umbau-Verlag, Sollingen.
N Salingaros, Principal Author and Editor.
26. "The Viseu Declaration on Architectural Education in the 21st Century" (2004)
(Principal author/editor of conference document and chapter introduction)
In *Windsor Forum on Design Education: Toward an Ideal Curriculum to Reform Architectural Education*. New Urban Press, Miami.
S Bothwell, A Duany, P Hetzel, S Hurtt, D Thadani, Editors.

(Activities from before 2004 omitted)

11. SELECTED CONSULTING PROJECTS

- 2023-Present Housing Needs Analysis and Housing Action Plan
Client: City of White Salmon, Washington (USA)
Author of the City's plan for code revisions and other strategic actions to improve the supply and quality of housing and address a critical shortage.
- 2021-Present Subarea Plan for Lewis and Clark Ranch
Client: City of West Richland, Washington.
Strategic planning, urban design (master plan) and coding of 7,000-acre walkable mixed-use community as an urban extension of the city of West Richland, USA.
- 2021-Present Subarea Plan for Benton City South
Client: City of Benton City, Washington.
Strategic planning, urban design (master plan) and coding of 223-acre walkable mixed-use community as an urban extension of the city of Benton City, USA.
- 2020-Present Master Plan for Croman Mill Brownfield Redevelopment
Client: Townmakers LLC
Strategic planning, urban design (master plan) and coding of 62-acre walkable mixed-use community as an urban extension of the city of Ashland, Oregon, USA.
- 2020-Present Master Plan and Codes for "The Canals of Ellensburg"
Client: The Canals of Ellensburg LLC
Strategic planning, urban design (master plan) and coding of 212-acre walkable mixed-use community, urban extension of the city of Ellensburg, Washington USA.
- 2014-2023 Habitat III (Consultation and implementation of "New Urban Agenda")
Client: UN-Habitat, Ax:son Johnson Foundation, KTH Royal Institute of Technology (partnership)
Academic Chair of the Future of Places forum, partnership of UN-Habitat, project for Public Spaces and Ax:son Jonson Foundation (client), as lead-in to Habitat III. Led 2014 consultation with Joan Clos, Secretary-General of Habitat III, on the strategic value of public space in economic and environmental benefits for cities, and language contributing to the New Urban Agenda. Continue partnership with UN-Habitat on research into implementation.
- 2022-2023 "Saudi Cities after COVID: Stronger, Safer, More Livable"
Client: Center for Local Governance, Riyadh, Saudi Arabia
Lead author and researcher for major study of the impacts of the COVID-19 pandemic on Saudi cities, and implications for future changes needed.
- 2020-2022 Downtown Hoquiam Revitalization Plan
Client: City of Hoquiam, WA.
Strategic planning for revitalization of downtown of Hoquiam, Washington USA as well as its Olympic Stadium facility.

- 2020-2023 Master Plan, Codes and Prototype Buildings for “Flatwater Mews”
Client: Oak Lake Development LLC
 Strategic planning and urban design (master plan) for 88-acre walkable mixed-use community with 1920 homes and 50,000 square feet of retail, as an urban infill neighborhood of Lincoln, Nebraska USA.
- 2020-2021 Mader Property Master Plan
Client: S&K Mader General Partners
 Strategic planning and urban design (master plan) for 350-acre walkable mixed-use community as an urban extension of the city of Pullman, Washington USA.
- 2012-2022 Master Plan and Strategic Plan for Vista Field
Client: Port of Kennewick, Kennewick, WA
 Strategic planning, coding, urban design, transportation design and scenario analysis for sustainable development of 112-acre urban infill site of a former airport. Project manager for multi-consultant team on \$200 million greyfield redevelopment.
- 2017-2019 Section 30 Master Plan
Client: Grayrock Resources, Section 30 LLC
 Urban planning, design and entitlement services for innovative 223.5-acre walkable mixed-use urban infill project with residential, commercial and light industrial, in Vancouver, Washington USA.
- 2018-2019 Master Plan for Surprise, AZ
Client: Mosaic Inc.
 Urban planning and design for new 45-acre walkable mixed-use urban infill community in Phoenix metro area. Additional consulting on other proposed projects and new construction technologies, developed by a former senior Google executive.
- 2017 Da Nang Public Space Pilot Projects
Client: City of Da Nang, Vietnam
 Consultation (as part of a UN-Habitat partnership with KTH Royal Institute of Technology) with City leadership on new development of public spaces and other aspects of the New Urban Agenda.
- 2017 Master Plan for “Northern Quest Village”
Client: Kalispel Tribe
 Strategic consulting and masterplanning of walkable mixed-use urban extension of Spokane, Washington USA, on tribal lands.
- 2015 Master Plan for John Wayne Marina Redevelopment
Client: John Wayne Enterprises
 Strategic consulting and masterplanning for walkable mixed use development on the Pacific Coast of Washington State, USA, including 311 homes and 50,000 square feet of commercial, for the estate of actor John Wayne and family.

- 2015 Moscow City Street Code
Client: City of Moscow, Russian Federation (through Strelka KB)
 Strategic consulting, programming, code development for new city-wide urban design street code.
- 2015 City of West Linn City Zoning Code
Client: City of West Linn, Oregon USA
 Strategic consulting, programming, code development for new code and master plan updates for redevelopment area adjacent to Willamette Falls, Oregon.
- 2015 City of North Plains Gateway
Client: City of North Plains, Oregon USA
 Strategic consulting and schematic design for gateway development in North Plains, Oregon (as part of team of Cogan Owens Greene).
- 2013-15 Oyhut Bay Master Plan
Client: Anastasiou Development Inc.
 Consultant to private development team for 43-acre walkable mixed use community on the Pacific Coast of Washington State, USA.
- 2013-14 Yachay City Plan
Client: Government of Ecuador
 Consultant to the government for Ecuador's first new masterplanned city, a university town of 200,000 north of Quito. Consultant on urban design, sustainable development and strategic implementation issues.
- 2013 City of Quito Pedestrian-Friendly Improvements
Client: City of Quito, Ecuador
 Pro-bono consultation to the City of Quito for pedestrian network changes including the redevelopment of a former airport site.
- 2013 Port Ludlow Village Masterplan
Client: Port Ludlow Associates
 Strategic consulting and masterplanning of development on Puget Sound, on the Pacific Coast of Washington State, USA.
- 2013 Wilder Newport Strategic Consulting and Planning
Client: Wilder Development Co.
 Strategic consulting and re-planning for existing walkable mixed-use development of 61 homes and 12,000 square feet of commercial
- 2012 Portland Mercado Planning
Client: Hacienda CDC
 Strategic consulting and planning concepts for innovative new community market and food truck village in Portland, Oregon USA.

- 2012 Standards and certifications for Sustainable Development
Client: CTS-EMBARQ, Mexico City, Mexico
Consultant on sustainable development for international NGO working with municipal governments in Mexico City, San Luis Potosi and Zacatecas. Developed regulatory tools, certifications and incentives.
- 2012 City of Glasgow Pedestrian-Friendly Improvements
Client: City of Glasgow, UK
Pro-bono consultation to the City of Glasgow for pedestrian network changes including the redevelopment of a former airport site.
- 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
- 2011-12 Bahia Muyuyo Redevelopment
Client: Lapentti Development, Guayaquil, Ecuador
Consultant for development of 450 hectare site featuring ecological development of urbanizing area west of Guayaquil. Provided certification and coding standards. Project has been planned as a model of mixed-income, sustainable urban development.
- 2011 City of Phoenix Infill and Transit-Oriented Redevelopment
Client: City of Phoenix, AZ
Consultant (as part of university research team) to City planning staff for strategic planning of redevelopment sites along city canals and new light rail line.
- 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 city 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 language for the 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
("Sustainable Development of Centers and Corridors")
Client: Metro (Portland, OR)
Consultant to regional government on transit-oriented development and development of successful centers and corridors and low-carbon planning, as part of Expert Advisory Group. Contributed to final report on regional strategy.
- 2009 Badger Project, Redmond, Oregon
Client: Serjante Group
Project management consultant 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 harbor-front 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
Pro bono consultation 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, coordinator of entitlement, architecture and engineering, and consultant on project economics and marketing.
- 2007-09 Pringle Creek Community, Salem, Oregon
Client: Sustainable Development Incorporated, Salem, OR
Strategic consulting and planning for 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) and DPZ CoDesign
Strategic consultant and planner for local recovery planning of post-Katrina New Orleans. Helped to organize and run a major planning project, including a local community charrette.
- 2006 Gentilly Community Charrette
Client: Gentilly Civic Improvement Association, New Orleans City Councilwoman Cynthia Hedge-Morrell, DPZ CoDesign
Strategic consultant and planner for local recovery planning of post-Katrina New Orleans.
- 2005 Coastal Mississippi Recovery Plan
Client: Mississippi Governor's Office and Mississippi Renewal Forum
Regional and local planning for hurricane-ravaged section of coastal Mississippi
Strategic consultant and planner for a major regional planning and urban design project at the invitation of the Mississippi Governor.
- 2005 Strood Urban Extension
City of Strood, UK
Collaborated with architect Christopher Alexander to develop a masterplan and strategic recommendations for a walkable mixed-use urban extension of Strood, UK, for the city government.
- 2001-2008 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. Recruited and worked with architect Christopher Alexander.
- 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.
- 1982-2003 Design-Build Projects (Various clients)
Employers: Structura Naturalis Inc. (owner), Green Gables Inc. (Senior Project Manager)
Over 100 projects including remodels, landscapes, gardens, homes and other buildings up to \$2 million project cost. (Portfolio available on request.)