

Lewis D. Hopkins

Professor Emeritus of Urban and Regional Planning
and Landscape Architecture
University of Illinois at Urbana-Champaign
111 Temple Buell Hall
611 Taft Drive
Champaign, Illinois 61820 USA

email: L-Hopkins@uiuc.edu
fax: 217-244-1717
home:
107 West Mumford
Urbana, IL 61801 USA

Education

- B.A. Accelerated program in Architecture, University of Pennsylvania, 1968.
Master of Landscape Architecture program, University of Pennsylvania, 1968-1969, no degree.
- M.R.P. Regional Planning (Natural Sciences), University of Pennsylvania, 1970. (Faculty Medal).
- Ph.D. City and Regional Planning, University of Pennsylvania, December, 1975.
Ford 1970-71, Mellon 1971-72 fellowships; AIP Student Award for Outstanding Achievement; Selected in *The Book of the School, 100 Years* (1990) as “one of the 100 graduates of the Graduate School of Fine Arts whose achievements epitomize the future of the School.”

Professional Positions

- 2008 Fulbright Senior Specialist, Institute of Engineering, Department of Architecture and Planning, Nepal.
- 2002 - 07 Associate Dean, College of Fine and Applied Arts, University of Illinois at Urbana-Champaign.
- 1997 - 07 Professor, Department of Urban and Regional Planning, Department of Landscape Architecture, University of Illinois at Urbana-Champaign; Faculty Fellow, Lincoln Institute of Land Policy.
- 1997 Fulbright Senior Scholar, Department of Geography, Tribhuvan University, Kathmandu, Nepal
- 1984-97 Professor and Head, Department of Urban and Regional Planning, Professor of Landscape Architecture and (until 1996) in the Institute for Environmental Studies, University of Illinois at Urbana-Champaign.
- 1984 Instructor, University of Illinois Summer Program in Comparative Planning, Kavala, Greece.
- 1980 Visiting Lecturer, Department of Town and Regional Planning, University of Sheffield, Sheffield, England.
- 1979-84 Associate Professor of Landscape Architecture, Urban and Regional Planning, and in the Institute for Environmental Studies, University of Illinois at Urbana-Champaign.
- 1972-79 Assistant Professor in Landscape Architecture & in the Institute for Environmental Studies, University of Illinois at Urbana-Champaign (Coordinator, Graduate Program in Landscape Architecture, 1976-1979).

Recent Teaching

Planning Theory; Planning Workshops; Planning Support Systems; Planning Analysis

Research Interests

Planning support systems: What computing, modeling, and graphic tools can be devised and shown to help make better plans and use plans more effectively?

Logic of Plans: When are plans for urban or rural change worth making and using? How can we use plans more effectively?

Honors and Awards

- Distinguished Educator Award, Association of Collegiate Schools of Planning, 2007
Fellow of American Institute of Certified Planners
Fulbright Senior Scholar (Nepal, 1997)
Edgar Horwood Critique Prize for best paper in *URISA Proceedings* 1995
Chester Rapkin Award for best paper in *Journal of Planning Education and Research* 1995

Editorial Experience

Editor with Gill-Chin Lim, *Journal of Planning Education and Research*, 1987-1991.

Editorial Boards

Journal of Planning Literature; (1984-1996) *E & P B: Planning and Design* (1988-2003); *Computers, Environment and Urban Systems* (1988-1999); *Urban and Regional Information Systems Association Journal* (1990- 2004); *Journal of Planning Education and Research* (1991-); *Journal of Infrastructure Systems (ASCE)* (1995-1999); *Town Planning Review* (1997-); *Journal of American Planning Association* (2003-2008); *Landscape and Urban Planning* (2007-).

Reviewer (in addition to the editorial boards listed above)

Environment and Planning A, European Journal of Operations Research, Geographical Analysis, International Regional Science Review, Journal of the Urban Planning and Development Division ASCE, ASCE Journal of Computing in Civil Engineering, Landscape Journal, Management Science, Transportation Research, Water Resources Research, Papers of the Regional Science Association, Journal of Regional Science, Geographical Systems, International Journal of Geographic Information Science; National Science Foundation (site visit team for National Center for Geographic Information and Analysis 1988), Social Sciences and Humanities Research Council of Canada; Island Press, Routledge, Guilford.

Grants and Contracts (Principal Investigator except where noted)

Project Director, Environmental Impact Statement Handbook. Illinois Institute for Environmental Quality, \$5,000, 1973.

Flood Plain Management through Optimal Allocation of Land Uses. Office Water Research and Technology, \$10,320, 1975-1976.

Environmental Impacts of Army Actions on Existing and Planned Land Uses. U.S. Army Corps of Engineers Construction Engineering Research Laboratory, \$9,913, 1975-1976.

Flood Plain Management through Allocation of Land Uses, Office of Water Research and Technology, \$12,415, 1977-1978.

Flood Plain Management in Urbanizing Areas, Office of Water Research and Technology, \$12,605, 1978-1979.

Comprehensive Planning Assistance for DeWitt County, Illinois (Student Project Workshop). DeWitt County, \$3,000, 1981-82.

with Robert B. Riley, Douglas M. Johnston and others and Project Director, Illinois Streams Information System. Illinois Department of Conservation, Illinois Environmental Protection Agency, and Illinois Department of Transportation, (multiple contracts) \$1,100,000, 1981-1991.

Instructional Equipment Funding for Department of Landscape Architecture. IBM under Project EXCEL, \$100,000, 1984.

Instructional Equipment Funding for Department of Urban and Regional Planning, IBM under Project EXCEL, \$85,000, 1985.

Comprehensive Planning Assistance for Salem, Illinois (Student Masters Project Workshop), City of Salem, \$5,500, 1985-1986.

with Rabel Burdge, Brian Orland, and Gary Kesler, Illinois Recreation Facilities Inventory. Illinois Department of Conservation, \$210,000, 1985-1988.

with E. Downey Brill, Experimental Evaluation of Modeling to Generate Alternatives. National Science Foundation, Decision and Management Sciences Program, \$45,000, 1985-1987.

Comprehensive Planning Assistance Project for Taylorville, Illinois (Student Masters Project Workshop). City of Taylorville, \$5,000, 1986-1987. (Illinois Chapter American Planning Association "Best Specific Planning Project or Ordinance Award," 1989)

Comprehensive Planning Assistance Project for Vandalia, Illinois (Student Masters Project Workshop). City of Vandalia, \$5,000, 1987-1988.

Experimental Assessment of Multiattribute Evaluation Techniques. University of Illinois Research Board, \$9,900, 1988-1989.

with Douglas Johnston, Decision Support System for Land Use Allocation Strategies for Training Lands. U. S. Army Construction Engineering Research Laboratory, (multiple contracts) \$372,827, 1989-1994.

Comprehensive Planning Assistance for Pekin, Illinois (Student Masters Project Workshop). City of Pekin, \$6,000, 1990-1991.

- Comprehensive Planning Assistance for DeWitt County (Student Masters Project Workshop). DeWitt County, \$6,545, 1991-1992.
- with Gerrit Knaap, The Effects of Land Use Planning and Regulation on Urban Land Values, Urban Development, and Urban Spatial Structure. University of Illinois Research Board, \$9,900, 1992-1993.
- with Gerrit Knaap, Does Planning Matter? The Effects of Land Use Planning and Regulation on Urban Land Values, Urban Development, and Urban Spatial Structure. Lincoln Institute of Land Policy, (multiple contracts) \$49,550, 1993-1998.
- Comprehensive Planning Assistance for Cairo, Illinois (Student Masters Project Workshop). City of Cairo and others, \$6,000, 1994-1995.
- with six others and Project Director, Assessing the Effects of Ecosystem Disturbance on Biodiversity in the Arid and Semi-Arid Environments of the American Southwest. U. S. Army Corps of Engineers Construction Engineering Research Laboratory, \$620,000, 1995-1996.
- with Douglas M. Johnston, Assessing the Effects of Ecosystem Disturbance on Biodiversity: Dynamic Spatial Ecological Modeling. U. S. Army Research Office, \$107,394, 1996-1997,
- with Gerrit Knaap, Do Transportation Plans Affect Spatial and Temporal Patterns of Urban Growth? National Science Foundation—Geography and Regional Science Program, \$98,023, 1996-1998.
- with Gerrit Knaap, Do Transportation Plans Affect Spatial and Temporal Patterns of Urban Growth? Research Experience for Undergraduates Supplement, National Science Foundation—Geography and Regional Science Program, 1997-1998, \$3,050.
- Co-principal Investigator with Alex Anas, David Boyce, and Gerrit Knaap, Infrastructure and Metropolitan Development. National Science Foundation—Urban Research Initiative, \$450,000, 1999-2001.
- Sketchboard Interface for Planning Support Systems. University of Illinois Research Board, \$15,789, 1999.
- Sketch Planning for Urban Development. Faculty Fellow, National Center for Supercomputing Applications, National Center for Supercomputing Applications, \$25,506, 1999-2000.
- Comprehensive Planning Assistance Project for Taylorville, Illinois (Student Masters Project Workshop). City of Taylorville, \$7,500, 1999-2000.
- with Gerrit Knaap, Planning Urban Development: Making and Using Systems of Plans. Lincoln Institute of Land Policy, \$15,000, 2001.
- Co-principal Investigator with Emily Talen, Faranak Miraftab, and Zorica Nedovic-Budic, An Analysis of Urban Indicators Using Geographic Information Science. University Consortium on Geographic Information Science/U.S. Housing and Urban Development, \$39,237, 2001.
- Web-based plans. Lincoln Institute of Land Policy, \$20,000, 2001-2002.
- Comprehensive Planning Assistance for Jasper County, Illinois (Student Masters Project Workshop). Jasper County, \$8,000, 2002-2003.
- Co-investigator with Douglas M. Johnston and Varkki George Pallathucheril, Planning Markup Language and Web-based Installation Planning Tool. U.S. Army Construction Engineering Research Lab, \$79,398, 2003.
- A New Approach to Comprehensive Planning: Systems of Plans Using a Planning Markup Language, University of Illinois Research Board, \$6,470, 2003.
- Comprehensive Planning Assistance for Shelby County, Illinois (Student Masters Project Workshop). Shelby County, \$13,997, 2004-2005.
- Co-Principal Investigator with Brian Deal and Varkki Pallathucheril, A Pilot Systems of Plans: Legacy Planning for the Chicago Region—Proof of Concept. Illinois Department of Natural Resources, \$90,997, 2004 -2005.
- Symposium on Creating the Future: Using Forecasts, Scenarios, and Plans. Lincoln Institute of Land Policy, \$27,000, 2004 -2005.
- Envisioning Regional Recovery Futures: People, Places, Economies, and Ecosystems. Lincoln Institute of Land Policy, (multiple grants) \$75,000, 2006-2008.
- Co-investigator with Robert Olshansky and Laurie Johnson, Rebuilding New Orleans: Evaluating the Post-Disaster Planning Process, National Science Foundation, \$126,082, 2008-2009.

Conference Presentations (national and international)

American Planning Association: 1986, 1988, 1993, 2002, 2006
 American Society of Landscape Architects: 1970, 1972, 1981
 Association of Collegiate Schools of Planning: 1983-1999, 2001-2007
 Council of Educators in Landscape Architecture: 1982
 Operations Research Society of America/The Institute of Management Sciences: 1988, 1990
 Regional Science Association (North American Meeting): 1975, -78,-79,-83,-84,-85,-89,-95, 2003
 Urban Affairs Association: 1995
 Urban and Regional Information Systems Association: 1986
 International Symposium on Locational Decisions: 1978 (Banff, Alberta, Canada)
 International Symposium on Automated Cartography: 1983, 1985
 International Symposium on Spatial Data Handling: Zurich, 1990
 Conference on Planning for Human Settlements: Shanghai, 1987
 Pacific Rim Regional Science Conference: Pusan, Korea, 1987
 National Center for Geographic Information and Analysis, Specialist Meetings: 1990, 1995, 2001
 Computers in Urban Planning and Urban Management: Mumbai, 1997; Venice, 1999; Hawaii, 2001
 World Planning Schools Congress: Shanghai, 2001; Mexico City, 2006
 Public Participation GIS: 2004
 Ontologies for Urban Development: Geneva, Switzerland, 2006
 Keynote, IT-Built Environment 2002: Kharagpur, India, 2002.
 Keynote, Taiwan Institute of Urban Planning/Taiwan Regional Science Association/Taiwan Globalization Development Association, Tainan, Taiwan 2007.

Guest Lectures and Seminars

University of Pennsylvania (1973, 1974), University of Washington (1976, 1998), Universite du Montreal (1976), Purdue University (1979), University of Sheffield (1980), University of Liverpool (1980), University of Wales Institute of Technology (1980), Northwestern University (1984), Portland State University (1993), University of Oregon (1996), Lincoln Institute of Land Policy (1996, 2000, 2002, 2003, 2005, 2007), Massachusetts Institute of Technology (1996), Tribhuvan University - Nepal (1997, 2002), International Center for Integrated Mountain Development - Nepal (1997), National Chung Hsing University - Taiwan (1998), Rutgers University (1999), Arizona State University (2000), University of Wisconsin-Milwaukee (2001), University of Illinois at Chicago (2001, 2005), IIT-Kharagpur - India (2001), Friends of Downtown Chicago (2003), Western Illinois University (2006), McDonough County Board (2006), University of Minnesota (2007), National Cheng Kung University – Taiwan (2007), Peking University (2007), American University of Sharjah (2008), University of Colorado-Denver (2008), University of Maryland (2008).

PhD Students

Shih-Kung Lai, 1990, currently Professor in the Department of Land Economics and Administration and Director of Center for Land Management and Technology, National Taipei University, Taiwan.
 Michael Shiffer, 1992, formerly Vice President for Research, Chicago Transit Authority and currently Research Director, Vancouver regional transportation agency
 Insung Lee, 1994, currently on faculty of Seoul City University, Korea
 Bruce Dickson, 1994, currently environmental consultant
 Hyong-Bok Kim, 1995, currently, Land Research Institute, Korean Land Development Corporation
 James Westervelt, 1996, currently U S Army Construction Engineering Research Lab.
 Paul Hanley, 1999, currently Associate Professor, University of Iowa
 Nikhil Kaza, 2008, currently Assistant Professor, University of North Carolina Chapel Hill
 Donovan Finn, 2009, currently adjunct lecturer, Hunter College

University Service (selected college and campus level)

Council on Program Evaluation Task Group: Department of Landscape Architecture, 1975-77
 Search Committee for Head of Urban and Regional Planning, 1978-1979
 Chair, Search Committee for Head of Department of Landscape Architecture, 1985 and 2000
 Technology Center Advisory Committee to Vice Chancellor for Research, 1985-1986
 Committee to Evaluate Dean of College of Fine and Applied Arts, 1986-1987
 Advisory Committee of Ameritech Research Fellows in public policy, 1987-1992
 Mentor, Lilly Teaching Fellows Program, 1989-90
 Fellow, Committee on Institutional Cooperation Academic Leadership Program, 1989-90
 Chair, Committee to Evaluate Director of Institute for Environmental Studies, 1990
 Committee on Public Administration Program, 1990

Campuswide Computing/Networking Committee, 1990-1992
 Chair, Campus Budget Strategies Committee, 1992-1994, member 1991-1994
 Campus Task Force on the Environment Steering Committee, 1993-1995
 Chancellor's Strategic Planning Steering Committee, 1993-1995
 Public Affairs Intercampus Task Force, 1995-97
 Pew Higher Education Roundtable, 1995
 Search Committee, Director of Environmental Council, 1996
 Advanced Information Technologies Board, 1996-97
 College of Fine and Applied Arts Promotion and Tenure Committee, 1999-2002; Chair, 2001-2002
 Search Committee for Vice Chancellor for Research, 2001-2002
 Research Policy Committee, 2001-2002
 Information Technology Advisory Board, 2004-2007
 Campus Senate: Member, 1976-1979, 1982-1984, 2000-2001, 2002 - 2006; Chair, Educational Policy Committee, 1978-1979 (member 1977-1979); Ad Hoc Committee on Collective Bargaining, 1979; Senate Council, 1978-1979, 1982-1983; Chair, Committee on Committees, 1982-1983 (Member 1982-83; 2004-2006); Budget Committee, 1984-1986; Ad Hoc Salary Policy Committee, 1985-1987; Chair, Student Discipline Committee, 2003 – 2004 (Member 2002 -2004)

Memberships (current)

American Association of University Professors (President, campus chapter, 1983-1984),
 Fellow of American Institute of Certified Planners, American Planning Association

Service to Profession

Continuing Education presentations to Illinois Institute on Planning and Zoning: 1987-1989.
 Research Advisory Committee, Illinois-Indiana Sea Grant Program: 1991-1994
 Executive Committee, Office of Solid Waste Research: 1992- 1995
 Fulbright Review Committee for South Asia: 1999-2001
 Association of Collegiate Schools of Planning
 Executive Committee, Regional Representative: 1989-1991, ex officio (PAB) 1997-2002.
 Faculty, PhD Student Workshop: 2002, 2007
 Rapkin Award Committee: 2004-2006 (Chair, 2006)
 Chair, Committee on PhD Programs: 2006 - 2008
 Chair, Strategic Planning Task Group: 2006 – 2007
 New Chairs School: 2005, Headmaster 2007
 External Review Teams: Landscape Architecture and Environmental Planning, Arizona State University, 1990;
 School of Planning, University of Cincinnati, 1996; College of Design, Iowa State University, 2005; Alhosa
 University for Ministry of Education, United Arab Emirates, 2005; School of Natural Resources and
 Environment, University of Michigan, 2005.
 Curriculum consultant for planning programs: Clemson University, 2003; Arizona State University, 2009.
 Planning Accreditation Board: member of board 1996-2002, Chair 1997-2001.
 Chair site visit teams: Michigan State, 1988; Virginia Commonwealth, 1992; Texas at Austin, 1994; University
 of Virginia, 1996; University of British Columbia, 2004; California Berkeley, 2005
 Site visit team member: UCLA, 1995
 Committee on Dual Degree Programs, 1992-1993
 Chair, Criteria Revisions Task Force, 2003-2004

Public Service

Governor's Illinois Advisory Committee on the American Outdoors, 1985-1986
 Urbana Comprehensive Plan Steering Committee, 2001 – 2005 (resulting plan won Gold Award from Illinois
 Chapter of American Planning Association, 2006).
 Urbana Planning Commission, 2002 –

Selected Consulting

HNTB, 2003.
 Department of Urban Development, Taipei, Taiwan, 2007.
 National Center for Smart Growth, 2008.

PUBLICATIONS**Books**

- _____, *Urban Development: The Logic of Making Plans*, Washington, DC: Island Press, 2001.
 (Chapter 3 reprinted in Donald Watson, Alan Plattus, and Robert Shibley, eds. *Time-Saver Standards for Urban Design*, New York: McGraw-Hill, 2003, pp. 4.1-1—4.1-12.)
 (Chinese translation by Shih-Kung Lai, Taipei, Taiwan: Wu Nan, 2005.)
- _____ and Marisa Zapata, eds., *Engaging the Future: Forecasts, Scenarios, Plans, and Projects*, Cambridge, MA: Lincoln Institute of Land Policy, 2007.
- (_____ and Marisa Zapata, Chapter 1- Engaging the Future: Tools for Effective Planning Practices;
 _____, Chapter 14- Using Plans and Plan Making Processes: Deliberation and Representations of Plans;
 _____ and Marisa Zapata, Chapter 15- Engaging the Future More Effectively: A Model Request for Proposals)

Articles and Book Chapters

- _____, "Design Method Evaluation: An Experiment with Corridor Selection," *Socioeconomic Planning Sciences*, 7 (1973) pp. 423-430.
- _____, "Plan, Projection, Policy--Mathematical Programming and Planning Theory," *Environment and Planning A*, 6 (1974) pp. 419-430.
- _____, "Methods for Generating Land Suitability Maps: A Comparative Evaluation," *Journal of the American Institute of Planners*, 43:4 (1977) pp. 386-400.
- _____, "Land Use Plan Design: Quadratic Assignment and Central Facility Models," *Environment and Planning A*, 9:6 (1977) pp. 625-642.
- _____, E. Downey Brill, Jr., Jon C. Liebman, and Harry G. Wenzel, Jr., "Land Use Allocation Model for Flood Control," *Journal of Water Resources Planning and Management* (1978) pp. 93 -104.
- _____, "Quadratic versus Linear Models for Land Use Plan Design," *Environment and Planning A*, 11:3 (1979) pp. 291-298.
- _____ and Marc Los, "Location-Allocation Algorithms for Land Use Plan Design with Fixed and Substitutable Interactions," *Journal of Regional Science*, 19:3 (1979) pp. 345-361.
- Thomas W. Trybus and _____, "Humans versus Computer Algorithms for the Plant Layout Problem," *Management Science*, 26 (1980) pp. 570-574.
- _____ and James Burnell, "Conceptual Problems of Comprehensive Evaluation of Reservoir Projects," in Rabel Burdge and Paul Opryszek, eds., *Coping with Change: An Interdisciplinary Assessment of the Lake Shelbyville Reservoir*. Institute for Environmental Studies, University of Illinois at Urbana-Champaign, 1981, pp. 331-348.
- _____, "The Decision to Plan: Planning Activities as Public Goods," in W.R. Lierop and P. Nijkamp, eds. *Urban Infrastructure, Location, and Housing*, Alphen aan den Rijn, Netherlands: Sijthoff and Noordhoff, 1981, pp. 273-296.
- _____, E. Downey Brill, Jr., Kenneth B. Kurtz, and Harry G. Wenzel, Jr., "Analyzing Floodplain Policies Using an Interdependent Land Use Allocation Model," *Water Resources Research*, 17 (1981) pp. 467-477.
- _____, Geneva Belford, and Marc P. Armstrong, "Using Database Management Software for a Stream Resource Information System," in *Regional Landscape Planning*, Washington, D.C.: American Society of Landscape Architects (1981) pp. 135-144.
- E. Downey Brill, Jr., Shoou-Yuh Chang, and _____, "Modeling to Generate Alternatives: The HSJ Approach and an Illustration Using a Problem in Land Use Planning," *Management Science*, 28:3 (1982) pp. 221-235.
- Shoou-Yuh Chang, E. Downey Brill, Jr., and _____, "Use of Mathematical Models to Generate Alternative Solutions to Water Resources Planning Problems," *Water Resources Research*, 18 (1982) pp. 58-64.

- Shoou-Yuh Chang, E. Downey Brill, Jr., and _____, "Efficient Random Generation of Planning Alternatives: A Land Use Example," *Journal of Regional Science*, 22 (1982) pp. 303-314.
- _____, E. Downey Brill, Jr. and Benedict Wong, "Generating Alternative Solutions for Dynamic Programming Models of Water Resources Problems," *Water Resources Research*, 18:4 (1982) pp. 782 -790.
- Janet Jaross-Arbise and _____, "The Illinois Streams Information System and Its Applications," *Planning and Public Policy*, (1982) pp. 1-4.
- Ian C. Goulter, Harry G. Wenzel, Jr., and _____, "Watershed Land Use Planning Under Uncertainty" *Environment and Planning A*, 15 (1983) pp. 987-992.
- Shoou-Yuh Chang, E. Downey Brill, Jr., and _____, "Modeling to Generate Alternatives: A Fuzzy Approach," *Fuzzy Sets and Systems* 9 (1983) pp. 137-151.
- _____, "Evaluation of Methods for Exploring Ill-Defined Problems," *Environment and Planning B: Planning and Design*, 11 (1984) pp. 339-348.
- Douglas M. Johnston and _____, "Expert Systems in Planning Analysis: The Logic of Uncertainty," *Town Planning Review* (July, 1987), pp. 342-346.
- Peter V. Schaeffer and _____, "Planning Behavior: The Economics of Information and Land Development," *Environment and Planning A*, 19 (1987), pp. 1221-1232.
- Shih-Kung Lai and _____, "The Meanings of Tradeoffs in Multi-attribute Evaluation Methods: A Comparison," *Environment and Planning B: Planning and Design* 16:2, (1989). pp. 155-170.
- E. Downey Brill, Jr., John M. Flach, _____, and S. Ranjithan, "MGA: A Decision Support System for Complex, Incompletely Defined Problems," *IEEE Transactions on Systems, Man and Cybernetics*, 20:4 (1990) pp. 745-757.
- Marc P. Armstrong and _____, "Data Structure Design for Surface Water Resources Information," *Journal of the Urban and Regional Information Systems Association*, 3:2 (1991) pp. 12-24.
- Shih-Kung Lai and _____, "Can Decision Makers Express Multiattribute Preferences Using AHP and MUT? An Experiment," *Environment and Planning B: Planning and Design* 22:1 (1995) pp. 21-34.
- Insung Lee and _____, "Procedural Expertise for Efficient Multiattribute Evaluation: A Procedural Support Strategy for CEA," *Journal of Planning Education and Research*, 14:4 (1995) pp. 255-268. (**Chester Rapkin Award, best paper in volume 14 of JPER**)
- Hyong-Bok Kim and _____, "Capacity Expansion Modeling of Water Supply in a Planning Support System for Urban Growth Management," *Journal of the Urban and Regional Information Systems Association* 8:1 (1996) pp. 58-66. (**Horwood Critique Prize ,best paper in URISA proceedings 1995.**)
- Gerrit J. Knaap, _____, and Kieran Donaghy, "Do Plans Matter? A Framework for Examining the Logic and Effects of Land Use Planning," *Journal of Planning Education and Research*, 18:1 (1998), pp. 25-34.
- James Westervelt and _____, "Modeling Mobile Individuals in Dynamic Landscapes", *International Journal of Geographic Information Science*, 13:3 (1999) pp. 191-208.
- _____, "Structure of a Planning Support System for Urban Development," *Environment and Planning B: Planning and Design*, 26:3 (1999) pp. 333-343. (reprinted in Richard K. Brail and Richard E. Klosterman, eds., *Planning Support Systems: Integrating Geographic Information Systems, Models, and Visualization Tools*. Redlands, CA: ESRI Press, 2001, pp. 81-98.)
- Chengri Ding, Gerrit J. Knaap, and _____, "Managing Urban Growth with Urban Growth Boundaries: A Theoretical Analysis," *Journal of Urban Economics*, 46 (1999), pp. 53-68.
- _____ and Gerrit J. Knaap, "An Inventory Approach to Land Supply Monitoring and Its Implications for Database Design," in Anne Vernez-Moudon and Michael Hubner, eds., *Monitoring Urban Land Supply with GIS*. New York: John Wiley and Sons, 2000, pp. 67-88.
- Gerrit J. Knaap, Chengri Ding, and _____, "Managing Urban Growth for the Efficient Use of Public Infrastructure: Toward a Theory of Concurrency," *International Regional Science Review*, 24:3 (2001), pp. 328-343.
- Gerrit J. Knaap and _____, "The Inventory Approach to Urban Growth Boundaries," *Journal of the American Planning Association*, 67:3 (2001) pp. 314-326.

- Chengri Ding, Gerrit J. Knaap, and _____, "Effect of Light Rail Announcements on Price Gradients," *Journal of Planning Education and Research*, 21:1 (2001) pp. 32-39.
- _____, "Should Additional Land Be Serviced for Urban Development? When? Where? How Much?" in Gerrit J. Knaap, ed., *Land Supply and Infrastructure Monitoring for Smart Urban Growth*, Cambridge, MA: Lincoln Institute of Land Policy, 2001, pp. 139-163.
- _____, "Integrating Knowledge about Land Use and the Environment through Use of Multiple Models," in Subhrajit Guhathakurta, ed. *Integrated Urban and Environmental Models: A Survey of Current Research and Applications*, Berlin: Springer-Verlag, 2003, pp. 45-52.
- _____, Rajiv Ramanathan, and Varkki George Pallathucheril, "Interface for a Sketch Planning Workbench," *Computers, Environment and Urban Systems*, 28:6 (2004) pp. 653-666.
- _____, Xiaohuan Xu, and Gerrit J. Knaap, "Economies of Scale in Wastewater Treatment and Planning for Urban Growth," *Environment and Planning B: Planning and Design*, 31 (2004) pp. 879-893.
- _____, Nikhil Kaza, and Varkki G. Pallathucheril, "Representing Urban Development Plans and Regulations as Data: A Planning Data Model," *Environment and Planning B: Planning and Design*, 32:4 (2005) pp. 597-615.
- _____, Nikhil Kaza, and Varkki G. Pallathucheril, "A Data Model for Plans and Urban Development Processes," in Michael Batty, Michael Goodchild, and David Maguire, eds. *Spatial Analysis and Modeling*, Redlands, CA: ESRI Press, 2005, pp. 173-201.
- Kieran P. Donaghy and _____, "Coherentist Theories of Planning are Possible and Useful," *Planning Theory*, 5:2 (2006), pp. 173-202.
- Paul F. Hanley and _____, "Do sewer extension plans affect urban development? A multiagent simulation," *Environment and Planning B: Planning and Design*, 34:1 (2007), pp. 6-27.
- Donovan Finn, _____, and Matt Wempe, "The Information System of Plans Approach: Using and Making Plans for Landscape Protection," *Landscape and Urban Planning*, 81:1-2 (2007) pp. 132-145.
- Nikhil Kaza and _____, "Ontology for Land Development Decisions and Plans," in Jacques Teller, Catherine Roussey, and John Lee, eds., *Ontologies for Urban Development*, Berlin: Springer-Verlag, 2007, pp. 47-59.
- Nikhil Kaza and _____, "In What Circumstances Should Plans Be Public?" *Journal of Planning Education and Research*, 28:4 (2009), pp. 491-502.

Proceedings (selected)

- Marc Armstrong and _____, "Thematic Map Display of Streams Data Using Fractalization," *Proceedings of the Sixth International Symposium on Automated Cartography*, 2 (1983) pp. 309-318.
- _____ and Marc P. Armstrong, "Analytic and Cartographic Data Storage: A Two-Tiered Approach to Spatial Decision Support Systems," *Proceedings of the Seventh International Symposium on Automated Cartography*, (1985). pp. 283-292.
- _____ and Douglas M. Johnston, "Locating Spatially Complex Activities with Symbolic Reasoning: An Object-Oriented Approach," *Proceedings of the 4th International Symposium on Spatial Data Handling*, Zurich, Switzerland, July 23-27, (1990). Vol. II, pp. 762-771.
- Chris D. Ellis, Douglas M. Johnston, and _____, "Ethnographic Assessment of Ecological Modelers for Design of Collaborative Geographical Modeling System," *Proceedings of GIS/LIS*, 1996, pp. 488-500.
- _____, "From Sketch Planning through Commitment: Progress toward a Planning Support System for Urban Development," *Proceedings of the 5th International Conference on Computers in Urban Planning and Urban Management*, Mumbai, India, December 16-19 (1997) Vol. 2 pp. 584-595.
- _____, Douglas M. Johnston, R. Varkki George, "Computer Support for Sketch Planning," *Computers in Urban Planning and Urban Management On the Edge of the Millenium, Proceedings of the 6th International Conference*, Paola Rizzi, editor, Venice, September, 1999, p. 103 and CD Rom.

Contract Reports, Consulting Reports, and Working Papers (selected and not otherwise published)

- _____ and E. Bruce MacDougall, "Highway Route Selection Method," report to Wallace McHarg Roberts and Todd for Outer Wilmington Beltway Study under contract to State of Delaware Department of Transportation, 1973.
- _____, R. Bruce Wood, Debra Brochmann, and Louis Messina. *Environmental Impact Statements: A Handbook for Writers and Reviewers*, Illinois Institute for Environmental Quality (1973).
- _____ and Michael Selser, "Environmental Impacts of Army Actions on Existing and Planned Land Uses: A Framework for Assessment Models," to U.S. Army Construction Engineering Research Laboratory, July, 1976.
- _____ and Peter V. Schaeffer, "Rights in Land and Planning Behavior: A Comparative Study of Mountain Resort Development." Department of Urban and Regional Planning, University of Illinois at Urbana-Champaign, Planning Papers, 1983.
- _____ and Peter V. Schaeffer, "The Logic of Planning Behavior." Department of Urban and Regional Planning, University of Illinois at Urbana-Champaign, Planning Papers 85-3, 1985.
- Rabel Burdge, _____, and Brian Orland, "Final Report-Illinois Recreational Facilities Inventory," report to Illinois Department of Conservation, May, 1990.
- _____, Douglas M. Johnston, Robert B. Olshansky, and Insung Lee, "Development of Algorithms for Classification, Spatial Allocation, and Tradeoff Analysis for Training Land Use Management," Report to U. S. Army Construction Engineering Research Laboratory, August, 1991.
- _____ and Douglas M. Johnston and others for the Illinois Department of Conservation: "An Introduction to the Illinois Streams Information System," 1991; "Illinois Streams Information System Data Descriptions Manual," 1991; "Illinois Streams Information System Computer Users Manual," 1991
- _____ and Douglas M. Johnston with others, "Prototype Land Use Allocation and Tradeoff Analysis System" Contract No. DACA88-90-D-0041, Report to U.S. Army Construction Engineering Research Laboratory, July 1993.
- Douglas M. Johnston and _____ with others, "TRAINER: A System for Training Requirements Assessment and Integration with Environmental Resources," Report to U. S. Army Construction Engineering Research Laboratory, January, 1994.
- _____, Douglas M. Johnston et al. "Design Report for a Geographical Modeling System," Report to U. S. Army Construction Engineering Research Laboratory, Geographical Modeling Systems Lab, University of Illinois at Urbana-Champaign, Urbana, Illinois, February 1997.

Book Reviews

- Combinatorial Programming, Spatial Analysis and Planning*, by Allen J. Scott in *DMG/DRS Journal: Design Research and Methods*, 6:1 (1972) p. 36
- Economics, Environmental Policy, and the Quality of Life*, by William J. Baumol and Wallace E. Oates in *Journal of the American Planning Association*, 45 (1979) pp. 348-349.
- Spatial Search: Applications to Planning Problems in the Public Sector*, by Bryan Massam, in *Regional Studies*, 15 (1981) pp. 67-68.
- Ethics in Planning*, by Martin Wachs, editor, in *Journal of Planning Education and Research*. 5:2 (1986) p. 141.
- Similarities, Connections, and Systems: The Search for a New Rationality for Planning and Management*, by Niraj Verma, in *Journal of the American Planning Association*, 65:4 (1999) p. 455.
- Smart Choices: A Practical Guide to Making Better Decisions*, by John S. Hammond, Ralph L. Keeney, and Howard Raiffa, in *Journal of Planning Literature*, 14:3 (2000) p. 382.
- Community Planning: An Introduction to the Comprehensive Plan*, by Eric Damian Kelly and Barbara Becker, in *Landscape and Urban Planning*, 51:1 (2000) pp. 63-64.
- The Profession of City Planning* edited by Lloyd Rodwin and Bishwapariya Sanyal, in *Journal of Planning Education and Research*, 20:3 (2001) pp. 383-384.

Who Owns America? edited by Harvey Jacobs, in *Habitat International*, 26 (2002) pp. 298-300.

The Making of the European Spatial Development Perspective: No Masterplan by Andreas Faludi and Bas Waterhout in *Planning Theory*, 2:2 (2003) pp. 149-153.

Property Rights, Planning and Markets: Managing Spontaneous Cities by Chris Webster and Lawrence Wai-chung Lai, in *Journal of Planning Literature*, 19 (2004) pp. 225-226.

Making Places Special: Stories of Real Places Made Better by Planning by Gene Bunnell, in *Planning Theory and Practice*, 6: 4 (2005) pp. 546-547.

Essays and Commentaries

_____, "Land Suitability Analysis: Methods and Interpretation," *Landscape Research*. 5:1 (1979-80) pp. 8-9.

_____, "Theory of Elephants," *Journal of Planning Education and Research*, 4:2 (1984) p. 135.

_____, "Comparative Planning: Looking at Ourselves the Way We Look at Others," *Planning and Public Policy* 11:3 (1984) p. 5.

Giles P. Hopkins, _____, and W. Dean Hopkins, "Brothers and Wise Men: Analysis and Illusion in Negotiation and Planning," *Planning and Public Policy* 12:1 (1986) pp. 4-5.

_____ and Peter V. Schaeffer, "Costs vs. Benefits in Planning." Letter to the editors, *Journal of the American Planning Association* 53(2): pp. 267-268.

Editorials in *Journal of Planning Education and Research*. 1987-1991.

_____, moderator for panel discussion on "Designing New Towns", *Landscape Architecture*, 78:8 (1988) pp. 66-75.

R. Varkki George and _____, "Crafting an Argument: Presenting Planning Ideas," exhibition at I-Space Gallery, Chicago, Illinois, May 1993.

_____, Foreword to *The Language of Planning: Essays on the Origins and Ends of American Planning Thought* by Albert Z. Guttenberg, University of Illinois Press, 1993.

_____, "1995 Chester Rapkin Award Acceptance Speech," *Journal of Planning Education and Research*, 15:1 (1995) pp. 64-65.

_____, "Research on Plan-Making" editorial, *Environment and Planning B: Planning and Design*, (1997)

_____, "Progress and Prospects for Planning Support Systems," *Environment and Planning B: Planning and Design*, Anniversary Issue, (1998), pp. 29-31.

_____, "Commentary: Contrasting Issues Faced by Montgomery County and Portland in Anne Vernez-Moudon and Michael Hubner, eds., *Monitoring Urban Land Supply with GIS*. New York: John Wiley and Sons, 2000, pp.118-121.

_____, "Planning as Science: Engaging Disagreement," *Journal of Planning Education and Research*, 20:4 (2001) pp. 399-406.

_____, "Multi-attribute Decision Making" in N. J. Smelser and Paul B. Baltes, eds., *International Encyclopedia of the Social and Behavioral Sciences*. Oxford, UK: Pergamon, 2001, pp. 10157-10160.

_____, "2007 Association of Collegiate Schools of Planning Distinguished Planning Educator Award," *Journal of Planning Education and Research*, 27:3 (2008) pp. 367-368.

_____ and Ernest R. Alexander, "Introduction to Symposium: Planning in Complex Multiorganizational Systems," *Journal of Planning Education and Research*, 28:4 (2009), pp. 470 - 475.