

# CURRICULUM VITAE – MARK DeKAY

## Education

1992 **Master of Architecture, (post-professional)**

Department of Architecture, School of Architecture and Allied Arts, **University of Oregon**, Eugene, Oregon (Option I, research-oriented). **Thesis: Daylighting and Community Gardening Land Use Design Tools.** Course work and research focused on energy efficient building, passive solar heating and cooling, environmental issues, landscape analysis, and urban design.

1984 **Master of Architecture, (professional)**

School of Architecture, **Tulane University**, New Orleans, Louisiana. Awarded retroactively when the school converted its 5-yr B Arch to a first-professional M Arch.

1984 **Bachelor of Architecture**

School of Architecture, **Tulane University**, New Orleans, Louisiana. **Thesis: Public Aquarium**, New Orleans, LA. Upper level studios focused on passive energy technology integration and structures.



## Professional Registration and Professional Societies

- **Registered Architect**, State of Vermont, #1907, since 1992
- **Society of Building Science Educators**
- **American Solar Energy Society**
- **Fellow, Institute of Green Professionals**
- **American Society of Heating, Refrigeration and Air-conditioning Engineers (full)**

## Honors and Awards

2014 University of Tennessee **Chancellor's Award for Teaching Excellence**

2014 **University of Tennessee Scholar of the Week** (office of research)

2011 **AIA Upjohn Initiative Award for architectural research**

2011 **University of Tennessee Scholar of the Week** (office of research)

2009 **Hon. Fellow, Institute of Green Professionals (FIGP)**

2005 **AIA COTE/Tides Foundation Award for Ecoliteracy in Architecture Schools**, with Prof. Ted Shelton, for graduate design studio and seminar in architectural technology. Sponsored by the AIA Committee on the Environment

2000 **Fulbright Fellowship**, 5 month lecturing appointment at Center for Environmental Planning and Technology, Ahmedabad, India

1995 **AIA National Education Honor Award**, one of three national awards from the American Institute of Architects, for innovations in the graduate class "Environment and Buildings I" at Washington Univ.

1991-92 **Graduate Research Fellowship**, Center for Housing Innovation, Dept. of Architecture, Univ. of Oregon, three terms

1991 **Frederick Charles Baker Scholarship in Architectural Lighting**, Dept. of Architecture, Univ. of Oregon, for research into the impacts of daylighting access in urban areas on land use and density (grant)

1991 **Graduate Teaching Fellowship**, Dept. of Architecture, Univ. of Oregon, Winter and Spring term Environmental Control Systems courses

1984 **Thesis Commendation**, School of Architecture, Tulane Univ.

## Academic Experience

6/14–present **Professor, tenured**

College of Architecture and Design, University of Tennessee, Knoxville, Tennessee

8/02-6/14 **Associate Professor, tenured**

Teaching courses in building energy efficiency, climatic-responsive passive energy design, ecological design, technical integration, integral theory, and multiple levels of design studio

- 6/08-7/11 **Director of Graduate Studies, (college admin)**  
College of Architecture and Design, University of Tennessee, Knoxville, Tennessee
- 6/07-6/08 **Interim Director of Graduate Studies, (college admin)**  
College of Architecture and Design, University of Tennessee, Knoxville, Tennessee
- 6/08-7/11 **Chair, Architecture Graduate Program, (school of Arch admin)**  
School of Architecture, CoAD, University of Tennessee, Knoxville, Tennessee
- 6/07-6/08 **Interim Chair, Architecture Graduate Program, (school of Arch admin)**  
School of Architecture, CoAD, University of Tennessee, Knoxville, Tennessee
- 6/07-present **Appointed to faculty, Graduate Program in Landscape Architecture**
- 1/01-7/02 **Assistant Professor**  
College of Architecture and Design, University of Tennessee, Knoxville, Tennessee  
Teaching courses in environmental systems, ecological design, technical integration, and design studio
- 7/00-12/00 **Fulbright Scholar**  
Center for Environmental Planning and Technology, Ahmedabad, India  
Focused on low-energy climatic design of institutional buildings without air-conditioning.
- 8/94-12/00 **Assistant Professor**  
School of Architecture, Washington University, Saint Louis, Missouri  
Teaching required courses in energy-efficient design, environmental systems and ecological issues, design studio, thesis preparation, and advanced seminars in design + energy
- 8/92-6/94 **Assistant Professor**  
Department of Architecture, College of Architecture and Urban Studies,  
Virginia Polytechnic Institute and State University (Virginia Tech), Blacksburg, Virginia.  
Teaching building environmental control systems, third year undergraduate architectural design studio, and advanced seminars in energy and environmental issues
- 6/90-6/92 **Research Assistant**  
Center for Housing Innovation, School of Architecture and Allied Arts,  
University of Oregon, Eugene, Oregon  
Energy-Efficient Industrialized Housing Research Program. Writing and editing research reports, whole building energy computer simulation, design studies, and artificial sky modification and calibration
- 3/90-9/91 **Adjunct Instructor, design studio and workshops**  
School of Architecture and Allied Arts, University of Oregon, Eugene, Oregon  
Special career discovery summer program, "Summer Architecture Academy," for landscape, interiors, and architecture. Taught studio and workshops at introductory level. Taught second year undergraduate design studio focusing design process, spatial ordering, lighting and acoustics.

**Professional Experience (selected)**

- 1987-89 **Architectural Designer/ Intern Architect**  
**David Sellers & Company, Architects, Warren, Vermont**  
Job captain on several projects, including a resort inn renovation of 28,000 s.f. Project architect (with David Sellers) on three houses. Supervised other employees. Energy analysis.
- 1986-87 **Intern Architect**  
**William Maclay, Architects and Planners, Warren, Vermont**  
Working drawings for \$4.5 million hotel, master planning for holistic health institute campus, heavy timber industrial workshop; conducted numerous code and environmental regulatory reviews, preliminary design of a residence, schematic design of a planned neighborhood.
- 1985-86 **Intern Architect**  
**E. Ean McNaughton & Associates, Architects, Planners, Exhibit Designers, New Orleans, Louisiana**  
Entry level position. Prepared working drawings for nature and science center addition. Design team on high school. Job captain on exhibit planning of historical museum. Also responsible for code reviews, promotional materials, and library.

6-9/82 **Architectural Photography Staff**  
**Architectural View**, architectural photographers, New Orleans, Louisiana  
 Photo documentation of New Orleans historic warehouse district

6-9/80 **Architectural Draftsman**  
**H. Herschberg & Associates**, AIA, architects, New Orleans, Louisiana

### Related Construction Experience

1984-85 **Assistant Estimator/Project Manager**  
**F. J . Forstall, Co., Inc.**, general contractors, New Orleans, Louisiana  
 Estimated bids, purchased materials, expedited, managed and coordinated crews. Inspected construction for large office and retail renovation of historic structures.

### Professional Development

**Training** *Climate Reality Leadership Corps*, with Al Gore, Aug 30–Sep 1, 2103, Chicago

**Workshop** *How to Recruit Graduate Students: Getting the Results You Want*, Feb 27–28, 2008. Atlanta

**Workshop** UT Graduate School's *Graduate Director's Workshop, Fall 2008, 2009*

**Workshop** *Landmark Forum*, Dec. 12–14, 16, 2008, Landmark Education, Atlanta

**Workshop** *The Landmark Advanced Course*, Mar. 27–29, 2009, Landmark Education, Atlanta

**Workshop** *Excellence- in the Zone*, weekly 10-sesison seminar, Spring 2009, Landmark Education, Atlanta

**Certification** *Yoga Teacher Training*, Kripalu method, Knoxville Acupuncture & Yoga Center, Prasad R. Hutter, instructor. Attained certified level 1 yoga teacher, 2007.

## SCHOLARLY WORK

### Scholarly Work in Progress

- [Paper accepted, complete]. *The Four Perspectives of Integral Sustainable Design*, PLEA, Passive and Low Energy Architecture conference, Ahmedabad, India, Dec 2014
- [Paper accepted, complete]. *The Bundle-Up! Game: a collaborative learning tool for net-zero energy design*, PLEA, Passive and Low Energy Architecture conference, Ahmedabad, India, Dec 2014
- [Journal Article, complete]: *Designing Relationships to Nature: five levels of connection*, 12 pages, ready for submission
- **University of Tennessee/RedVector Certificate in Sustainable Design and Green Building**, an on-line continuing education and professional development program, branded by UT, **edited by UT professors Mark DeKay and Dick Kelso**. Certificate launched Spring, 2009. I have enrolled scholars from around the country, editing and helping them to develop their courses.
- [interactive continuing education course] **High-Performance Buildings**. Course will be added to the **UT/RedVector Certificate in Sustainable Design and Green Building**
- [Journal Article]: *Foundations For A Developmental Design Curriculum*. Manuscript in progress.
- [Paper accepted]. *The Four Levels of Complexity in Sustainable Design*, Eco-Architecture 2012, 4th Conference on Harmonization Between Architecture and Nature, 5-7 Sep, Kos, Greece  
*Paper was completed and withdrawn for lack of College travel funds for presentation. I will re-submit in this year's cycle.*
- [Abstract accepted]. *Urban Design Patterns for Green Infrastructure: solutions for urban and suburban contexts*, EAAC/ARCC 2012 International Conference on Architectural Research, *Cities in Transformation: RESEARCH and DESIGN Ideas, Methods, Techniques, Tools, Cases*, 7-10 June, Milan, Italy.  
*Paper was withdrawn for lack of College travel funds for presentation. I will re-submit in this year's cycle.*

## Books/Chapters

- Dekay, Mark and G. Z. Brown, 2014. *Sun, Wind, & Light, architectural design strategies, 3rd edition*. New York: Wiley, 860 pp. I am now the primary author, as reflected in the author credits. Expanded to two volumes. New knowledge structure; 62-page spreadsheet included. 700 pages of online climate data. I designed the book and cover and oversaw all illustrations and layout. A four-year project.
- DeKay, Mark, 2014. *Mark DeKay (Sun, Wind & Light graphics)*, in Diane Fox, ed., *Thirty Two, an exhibit by the faculty of The University of Tennessee, Knoxville, College of Architecture and Design*. Knoxville: College of Architecture and Design, publication No Eo1-2710-001-14
- DeKay, Mark, 2011. *Integral Sustainable Design, transformative perspectives*. 525 pp, +300 illustrations. London: Eathscan Press (now an imprint of Taylor & Francis). A new theoretical book that uses Integral Theory to expand the idea of sustainable design beyond (yet including) the technological view—to include the perspectives of systems, cultures, and experiences at four levels of human values. *This is the first published book worldwide on integral design*.
- DeKay, Mark, 2007. *Indian Architecture of the Open Envelope: Natural Cooling for a Hot Climate*, in Diane Fox, ed., *Space + Technology + Place*, exhibited work by the College of Architecture and Design Faculty of the University of Tennessee.
- Brown, G. Z. and Mark DeKay, 2001. *Sun, Wind, and Light: Architectural Design Strategies, 2nd ed*. New York: John Wiley and Sons, 382 pp., +700 original illustrations. Available in *English and Portuguese, and Chinese*. I was co-author of the 2nd edition, with G. Z. Brown, author of the 1st edition. I was primary author on this edition, including writing, editing, tool development, illustration, graphic design, and layout. The second edition expanded to 400 pp. from the 185 pages of the 1st edition. Now a standard for sustainable design courses. Sales doubled.
- DeKay, Mark, 2004. *Teachings From Bapu Kuti*, in Dziuban, Emily and Kristin Robertson, eds. (2004). *Migrants and Stowaways: an Anthology of Journeys*. Knoxville: Knoxville Writer's Guild.
- DeKay, Mark and Michael O'Brien (2002). **Gray City, Green City, New thinking and new settlement patterns can bring about urban sustainability**, in *UIA Atlas on Architecture of the Future*. <http://fett.ethz.ch/uia/index.htm>.

## Peer-reviewed Journals

- DeKay, Mark, 2010. **Daylighting and Urban Form, an urban fabric of light**, *Journal of Architecture and Planning Research*. Vol. 27, No. 1, Spring, pp. 35-56.
- DeKay, Mark, 1997. **Implications of Community Gardening for Land Use and Density**, *Journal of Architecture and Planning Research*, 14:2 (summer), pp. 126-148. Chicago: Locke Science Publishing.
- DeKay, Mark, 1998. **Energy Scheming 2.5: software for architectural design with energy**, *Journal of Architectural Education*, February, 51:3, pp. 206-9.

## Professional Journals

- DeKay, Mark, and Micheal O'Brien, 2001. **Gray City, Green City: New thinking and new settlement patterns can bring about urban sustainability**, *Forum for Applied Research and Public Policy*, Summer, Vol. 16, No. 2, pp. 19-27.
- DeKay, Mark, 2001. **Lessons from Bapu Kuti, Gandhi's Home at His Last Ashram**, *Connector, A Forum for Teachers of Technology in Schools of Architecture*, Fall issue pending.
- DeKay, Mark, 1995. **Comprehensive Design Studio: Washington University**, *Connector, A Forum for Teachers of Technology in Schools of Architecture*, Fall, Vol. IV, No 2, pp. 1, 6-7.

## Continuing Education Courses, online

- DeKay, Mark (2011). *Green Design: Ecological Design Thinking: six perceptual shifts*. Published by RedVector.
- DeKay, Mark (2009). *Green Design: Intro to Integral Sustainable Design Theory*. Published by RedVector.
- DeKay, Mark (2009). *Green Design: Levels of Complexity Theory*. Published by RedVector.
- DeKay, Mark (2009). *Green Design: Designing Relationships with Nature*. Published by RedVector.

**Papers Published in Peer-Reviewed Conference Proceedings**

- DeKay, Mark, 2014 [forthcoming]. **The Four Perspectives of Integral Sustainable Design**, 30th International PLEA Conference (Passive and Low Energy Architecture): Sustainable Habitat for Developing Societies, Choosing the Way Forward, Ahmedabad, India, Dec 16–18
- DeKay, Mark, 2014 [forthcoming]. **The Bundle-Up! Game: a collaborative learning tool for net-zero energy design**, 30th International PLEA Conference (Passive and Low Energy Architecture): Sustainable Habitat for Developing Societies, Choosing the Way Forward, Ahmedabad, India, Dec 16–18
- DeKay, Mark, 2012. **Using Pattern Maps to Chart the Knowledge Base of Climatic Design**, PLEA 2012, Passive and Low Energy Architecture. Towards an Environmentally Responsible Architecture: Opportunities, Limits & Needs, 7-9 November, Lima, Peru
- DeKay, Mark, 2012. **Five Levels of Aesthetics for Sustainable Design**, PLEA 2012, Passive and Low Energy Architecture. Towards an Environmentally Responsible Architecture: Opportunities, Limits & Needs, 7-9 November, Lima, Peru
- DeKay, Mark, 2012. **Climatic Urban Design: Configuring the Urban Fabric to Support Daylighting, Passive Cooling, and Solar Heating**, Sustainable City 2012, 7th International Conference on Urban Regeneration and Sustainability, 7-9 May, Ancona, Italy
- DeKay, Mark and Mary Guzowski, 2006. **A Model for Integral Sustainable Design Explored through Daylighting**, in Campbell-Howe, R., et al., eds., *Proceeding of the National Passive Solar Conference, Renewable Energy, Key to Climate Recovery*, American Solar Energy Society, Denver, CO, July 7-13, 2006. Boulder: ASES
- DeKay, Mark, 1999. **Learning Design + Energy Through the Whole Building Approach: using Energy Scheming simulation in lecture courses**, *Technology in Transition, Proceedings of the 1999 International Science and Technology Conference*, June 25-27, Montreal, pp. 124-133. Washington: ACSA Press
- DeKay, Mark, 1998. **Translating ASHRAE for Architects: Sizing Solar Hot Water Systems and Spacing Roof-Mounted Collectors in Preliminary Design**, in Campbell-Howe, R., et al., eds., *Proceedings of the 23rd National Passive Solar Conference*, American Solar Energy Society, Albuquerque, NM, June 14-17, 1998. Boulder: ASES
- DeKay, Mark, 1996. **Systems Thinking as the Basis for an Ecological Design Education**, in Campbell-Howe, R. and B. Wilkins, eds., *Proceedings of the 21st National Passive Solar Conference*, American Solar Energy Society, Asheville, NC, April 13-18, 1996. Boulder: ASES
- **Environment and Buildings I: A Case Study in the Evolving Technical Education of Architects**, in Campbell-Howe, R. and Wilkins, B., eds., *Proceedings of the 21st National Passive Solar Conference*, American Solar Energy Society, Asheville, NC, April 13-18, 1996. Boulder: ASES
- DeKay, Mark, 1996. **Possible Evolution of Technology Education in Architecture Schools**, in Young, Beth, ed., *Construction of Tectonics for the Postindustrial World: Proceedings of the 1996 ACSA European Conference*, Copenhagen, Denmark, May 25-29. Washington: American Collegiate Schools of Architecture
- DeKay, Mark, 1993. **The Relationship of Building Height to Street Width Under Overcast Skies**, in Burley, S. M. and M. E. Arden, eds., *Proceedings of the 18th National Passive Solar Conference*, American Solar Energy Society, April 22-28. Washington, D.C. Boulder: American Solar Energy Society
- **Urban Development Patterns for Daylighting**, in Burley, S. M. and M. E. Arden, eds., *Proceedings of the 18th National Passive Solar Conference*, American Solar Energy Society, April 22-28, Washington, D.C. Boulder: American Solar Energy Society.
- **Implications of Community Gardening for Land Use and Density**, *Proceedings of the 14th International Conference on Making Cities Livable*, Charleston, SC, March 8-12, 1993.
- DeKay, Mark, 1992. **A Framework for Understanding the Concerns of Ecological Designers**, in Burley, S. M. and M. E. Arden, eds., *Proceedings of the 17th National Passive Solar Conference*, American Solar Energy Society, Cocoa Beach, FL, June 15-18. Boulder: ASES
- **A Comparative Review of Daylight Planning Tools and a Rule-of-Thumb for Street Width to Building Height**, in Burley, S. M. and M. E. Arden, eds., *Proceedings of the 17th National Passive Solar Conference*, American Solar Energy Society, Cocoa Beach, FL, June 15-18. Boulder: ASES



- **Volumetric Implications and a Rule-of Thumb for Thickness of Atria Buildings**, in Burley, S. M. and M. E. Arden, eds., *Proceedings of the 17th National Passive Solar Conference*, American Solar Energy Society, Cocoa Beach, FL, June 15-18. Boulder: ASES.
- **Capabilities of Computerized Tools for Passive Cooling and a Case Study Comparison Between Three Methods for Analyzing the Performance of Night Ventilated Thermal Mass**, in Burley, S. M. and M. E. Arden, eds., *Proceedings of the 17th National Passive Solar Conference*, American Solar Energy Society, Cocoa Beach, FL, June 15-18. Boulder: ASES.
- Brown, G. Z., R. Berg, R. Kellett, B. Muller, D. Peting, M. DeKay, and J. Rose, 1992. **Design and Technology for Energy Efficiency in Housing -2030**, in Santos, A. N. and M. S. Ubbelohde, eds., *Making Environments: Technology and Design: Proceedings of the 10th Annual ACSA Technical Conference*, San Diego, California. Washington: Assoc. of Collegiate Schools of Architecture.
- Kellett, R., M. DeKay, B. Muller, and D. Peting, 1992. **Design and Technology for Energy Efficiency in a Multifamily Concrete Panel House for a Hot-Arid Climate -2030**, in Burley, S. M. and M. E. Arden, eds., *Proceedings of the 17th National Passive Solar Conference*, American Solar Energy Society, Cocoa Beach, FL, June 15-18. Boulder: ASES.
- Kellett, R., M. DeKay, B. Muller, D. Peting, and G. Z. Brown, 1992. **Performance Specifications for the Design and Manufacture of Energy Efficient Housing in the 21st Century**, Center for Housing Innovation, Univ. of Oregon. 1992 *American Society of Civil Engineers Specialty Conference: Housing America in the 21st Century*, June, Orlando, Florida.

### Unpublished Thesis

- DeKay, Mark, 1992. **Daylighting and Urban Agriculture Land Use Design Tools**, Master of Architecture Thesis, Department of Architecture, School of Architecture and Allied Arts, University of Oregon, Eugene, OR. Dissertation Abstracts On-line #AAG1349521.

### Exhibits

- 2013 **Mark DeKay (Sun, Wind & Light graphics)**, in *Thirty Two*, an exhibit by the faculty of The University of Tennessee, Knoxville, College of Architecture and Design, Ewing Gallery, University of Tennessee, Knoxville, Aug 1–29
- 2007 **Indian Architecture of the Open Envelope: Natural Cooling for a Hot Climate**, in *Space + Technology + Place*, and exhibited work by the College of Architecture and Design Faculty of the University of Tennessee, Ewing Gallery, University of Tennessee, Nov 11–Dec 15
- 2007 **A Vision for Future Development: The Beaver Creek Watershed Green Infrastructure Plan**, Nashville Civic Design Center, Nashville, TN, June 5–28
- 2007 **The Beaver Creek Green Infrastructure Plan**, Art & Architecture Building, UT Knoxville, March 26 – April 13
- 2006 **Green Center: Environmental Planning for Downtown Chattanooga**, Art & Architecture Building, UT Knoxville, Spring,
- 1997 **Drawing on the Site: an Ongoing Dialogue, exhibited at Site as Context: Art and Architecture Faculty Projects**, Washington University Gallery of Art, September 5-19. A collaborative project with art professor Ron Fondaw exploring the Washington University Campus as an environment for art, and engaging the public in graphic and written conversations about the relationship of ideas, art, campus planning, and architecture in the university setting.

### Reviews, Interviews, and Citations (selected)

- Mead, Philip (2014). **Book Review–Sun Wind and Light: Architectural Design Strategies (3rd Edition)**, *SBSE News* (Society of Building Science Educators), Summer 2104, p 4
- Villagomez, Erick (2104). **Book Review–Sun Wind and Light: Architectural Design Strategies (3rd Edition)**, *Spacing: Canadian Urbanism Uncovered*. March 11. <http://spacing.ca/national/2014/03/11/book-review-sun-wind-light-architectural-design-strategies-3rd-edition/>
- Schwartz, Michael (2013). **Book Review–Integral Sustainable Design: Transformative Perspectives**, *Integral Review*, February, 2013, Vol 9, No 1, p 106–109
- Soibelman, Lucio (2013). **Book Review–Integral Sustainable Design**, *Construction Management and Economics*, Vol 31, No 2, p 202–203
- Hamilton, Marilyn and Mark DeKay, 2012. **Integral City eLab 2012, Co-Creating the Future of the Human Hive**, [audio interview]. September 13. mp3 available. <http://www.integralcitycollective.com>
- Lisa Norton, 2012. **Integral Sustainable Design** [book review], *Metropolis*, January 13.

- Peter Buchanan (2012). **Integral Plaudits: Widening Sustainability**, *Integral Sustainable Design*, by Mark DeKay, Earthscan, 2011 [book review], *Architectural Review*, 29 February, part of "The Big Rethink" series.
- Aran Baker, 2012. **Integral Sustainable Design: Transformative Perspectives**, by Mark DeKay: **Book Review**, *Ecotecture: The Journal of Ecological Design*, April 28.
- Wilber, Ken and Mark DeKay, 2011. **The Principles of Integral Sustainable Design** [audio interview], 2 hours, published on Integral Life web site, <http://integrallife.com/node/111286>. mp3 available.
- Hamilton, Marilyn, 2011, **Integral Sustainable Design: Transformative Perspectives**, by Mark DeKay, [book review]. *Journal of Integral Theory and Practice*, 6(3), p 137-149, forthcoming, October 20.
- Neely, Jack, 2007. **Laboratory Knoxville: In and Out of the Classroom Urban Design Scholars Reconsider our Hometown**, *Metropulse*, 17:4, April 9. Focus on work of three faculty in UT downtown studio.
- Gould, Kira and Lance Hosey (2006). **Ecology and Design: Ecological Literacy in Architecture Education, 2006 Report and Proposal**, The AIA Committee on the Environment. Washington: American Institute of Architects, pp. 54-59 (feature on UT curriculum), plus numerous citations. Award was with Prof. Ted Shelton, for a graduate design studio and a seminar in architectural technology.
- Rylander, Mark, 2005. **COTE ELAE Award Winners**, *SBSE News*, Winter. Society of Building Science Educators, Summer.
- Malin, Nadav, 2005. **AIA Recognizes Ecoliteracy in Architecture Schools**, *Environmental Building News*, 14:7, July.
- Fedeski, Mike, 2002. **Book Review: "Sun, Wind And Light: Architectural Design Strategies**, The Centre for Education in the Built Environment, Welsh School of Architecture. <http://cebe.cf.ac.uk/resources/books/brown.html>, 1/15/2002.
- Malin, Nadav, 2002. **Book Review: Sun, Wind & Light, 2nd edition**, *Environmental Building News*, 11:4, April.
- Voelcker, Adam, 2001. **Book Review: Sun, Wind And Light: Architectural Design Strategies**, *The Architectural Review*, March, 3/1/2001.
- Prigmore, Kathryn T., 2000. **The Other Studio Companion: Sun, Wind & Light, 2nd edition**, *SBSE News*, Winter. Society of Building science Educators.
- Washington University, 2000. **Faculty Are Conducting Fulbright Research in India and Nepal**, *Asia Extra*, supplement to the *Washington University Magazine* for readers throughout Asia.
- Ann Nicholson, 2000. **India-bound DeKay Awarded Fulbright Grant**, *Record*, 7/13. Washington University in St. Louis.
- AIA, 1995. **On Honoring Teaching Excellence: the 1995 AIA National Education Honor Awards**, monograph, Washington American Institute of Architects, Feature on my graduate class "Environment and Buildings I" (energy issues and climatic design) at Washington Univ.

### Licensed Works

RedVector, Inc. 2006–present. **Online Professional Continuing Education Courses**, <http://www.redvector.com>.

- **Designing for Sun, Wind, & Light: Analysis Techniques** (5 hours)
- **Designing for Sun, Wind, & Light: Strategies for Building Groups** (3 hours)
- **Designing for Sun, Wind, & Light: Strategies for Buildings** (4 hours)
- **Designing for Sun, Wind, & Light: Strategies for Building Parts** (4 hours)
- **Designing for Sun, Wind, & Light: Strategies for Supplementing Passive Systems** (2 hours)

### Research Reports Submitted to Sponsors (selected)

- DeKay, Mark, Tracy Moir-McClean, et al. (2006). **Beaver Creek Watershed Green Infrastructure Plan**. 85 pp. (11 x 17).
- DeKay, Mark, Tracy Moir-McClean, with Richard Rothman (2003). **GreenCenter: Planning for Environmental Quality in Chattanooga, a report to the Chattanooga Downtown Planning and Design Center**. 200 pp.
- DeKay, Mark, David Meyers, and Doyle Cozadd, 1998-99. **Teaching Architecture + Energy Web Site**, Curriculum dissemination site for *Energy Scheming*, sponsored by Washington University and the Fund for the Improvement of Post-Secondary Education, U.S. Dept. of Education. URL: <http://www.ecodesignresources.net>
- Berg, R., G. Z. Brown, M. DeKay, R. Kellett, B. Muller, D. Peting, 1992. **Systems and Technologies for a Multifamily Concrete Panel House in a Hot-Arid Climate**, Task 2.1 Design for Energy Efficiency, Performance Specifications, Energy Efficient Industrialized Housing Program, Center for Housing Innovation, Univ. of Oregon, May, U. S. Department of Energy.

- Kellett, R., R. Berg, A. Paz, G. Z. Brown, 1991 (research team member). **Progress Report, Design for Energy Efficiency**, Energy Efficient Industrialized Housing Program, Center for Housing Innovation, Univ. of Oregon, March, U. S. Department of Energy.
- Kellett, R., M. DeKay, P. Gay, B. J. McGinn, G. Z. Brown, G. Hubbard, M. Meacham, G. Skalangya, C. Wilson, and M. Mullens, 1990. **Problem Statements for the 21st Century House**, Energy Efficient Industrialized Housing Program, Center for Housing Innovation, Univ. of Oregon, October, U. S. Department of Energy.
- DeKay, Mark, 1995. **Comprehensive Design Studio: Washington University**, *Connector, A Forum for Teachers of Technology in Schools of Architecture*, Fall, Vol. IV, No 2, pp. 1, 6-7.

### SEMINARS and WORKSHOPS (Organizer)

- 2006 **Conference Co-Organizer, Integral Sustainable Design**, a 3-day scholarly event, *Society of Building Science Educators (SBSE) Summer Meeting*, exploring the implications of integral theory for teaching sustainable design. Held at Colorado State University Pingree Park Mountain Campus, July 15-18, 2006.
- 2002 **Conference Program Co-Organizer**, *Society of Building Science Educators Summer Workshop, Ecoliteracy in Design Education*, Nevada Sierras, June 2002.
- 1994 **Conference Program Coordinator**, *SBSE Summer Curriculum Development Workshop: Education and Research for Sustainability*, for Society of Building Science Educators, Green Gulch Zen Center, Sausalito, CA, June 30 - July 3.

### Invited Lectures and Peer Presentations (selected)

- DeKay, Mark, 2014, **Reversing Climate Change by Design**, *University of Tennessee MicNite, talks by UT faculty*, Pecha-Kucha format, March 13
- DeKay, Mark, 2013, **Keynote Address: Ecological Thinking for Integral Design**, *Atmospheres 5/Ecology and Design*, Feb 7-9, Faculty of Architecture, University of Manitoba, Winnipeg.
- DeKay, Mark, 2012, **A New Knowledge Structure for Net Zero Energy Design: the Bundle Game prototype**, *Society of Building Science Educators (SBSE) Summer Meeting: The Next Generation*. McCall Field Campus, June 15-17, University of Idaho
- DeKay, Mark, 2012, **Integral Sustainable Design**, *Sustainability Forum*, Philadelphia University, March.
- DeKay, Mark, 2009. **Integral Sustainable Design**, *Focus the Nation*, Jan 31, 2009, UT local site, Knoxville, TN
- DeKay, Mark, 2008. **Integral Sustainable Design**, *International Society of Arboriculturists Convention*, Mar 17, 2008, Knoxville, **Green Infrastructure**.
- DeKay, Mark, 2007. **A Vision for Future Development: The Beaver Creek Watershed Green Infrastructure Plan**, Nashville Civic Design Center, Nashville, TN, June 21.
- DeKay, Mark, 2006. **Integral Sustainable Design**, Presentation and invited panelist, *Plain Talk on Quality Growth*, an East Tennessee Conference, March 30.
- DeKay, Mark, 2006. **Integral Theory Basics for Sustainable Design, a framework for constructive post-modernism**, Plenary presentation, *SBSE Summer Meeting 2006: Integral Sustainable Design*, Colorado State University Pingree Park Mountain Campus, July 15-18, 2006.
- DeKay, Mark, 2006. **Integral Theory for Sustainable Design: levels of complexity**, Plenary presentation. *SBSE Summer Meeting 2006: Integral Sustainable Design*, Colorado State University Pingree Park Mountain Campus, July 15-18, 2006.
- DeKay, Mark and Mary Guzowski (2006). **A Model for Integral Sustainable Design Explored through Daylighting**, *National Passive Solar Conference*, American Solar Energy Society, "Renewable Energy, Key to Climate Recovery," Denver, CO, July 7-13, 2006. Boulder: ASES. *This was the first paper published worldwide on integral design.*
- DeKay, Mark, 2005. **Integral Communication for the Beaver Creek Green Infrastructure Plan**, *Integral Ecology & Sustainability Conference*, sponsored by the Integral Institute, Nov. 8-13, 2004, Denver, CO.
- DeKay, Mark, and Tracy Moir-McClean, 2004. **Green Center: Planning for Environmental Quality in Downtown Chattanooga**, *7th Annual Southeast Watershed Roundtable*. Oct. 27-29, 2004, Nashville, TN.
- DeKay, Mark, 2002. **Gray City, Green City**, April, 2002, Invited lecture to a group of downtown development stakeholders, Downtown Planning and Design Studio, Chattanooga.
- DeKay, Mark, 2001. Public Lecture, **The Architecture of Climate**, *UT College of Architecture and Design Lecture Series*.
- DeKay, Mark, 2001. **Teaching With Sun, Wind & Light**, Presentation and workshop for *Society of Building Science Educators Summer Conference*, Redfish Lake, ID, June 9-12.



- DeKay, Mark, 2000. Public Lecture, **The Architecture of Climate**, public lecture, *Center for Environmental Planning and Technology (CEPT) Lecture Series*, Ahmedabad, India.
- DeKay, Mark, 2000. Public Lecture, **Thinking Architecture Ecologically: Six Perceptual Shifts**, public lecture, *Center for Environmental Planning and Technology (CEPT) Lecture Series*, Ahmedabad, India.
- Brown, G. Z. , Paul Clark, Mark DeKay, and Lance Lavine, 1999. **Measuring Teaching Effectiveness**, Presentation to *Society of Building Science Educators Summer Conference*, Tadoussac, Quebec, Canada.
- Brown, G. Z. , Paul Clark, Mark DeKay, and Lance Lavine, 1998. **Teaching Architecture + Energy: Energy Scheming in the Studio and Classroom**, Presentation to *Society of Building Science Educators Summer Conference*, Taos, NM.
- DeKay, Mark, 1997. **Review Panel** for integrated projects, Dept. of Engineering and Public Policy, Carnegie Mellon University.

### COMPLETED PROJECTS

- 2013 ***Sun, Wind, and Light: Architectural Design Strategies, 3rd edition***, with G. Z. Brown. New York: John Wiley and Sons. 870 pages. A four-year project with multiple funding sources.
- 2012 ***A New Knowledge Structure for Designing Net-Zero Energy Buildings***, funded by AIA/Upjohn Initiative Award, collaborative with University of Oregon.
- 2011 ***On-line Continuing Education Courses for Licensed Design Professionals***  
Ecological Design Thinking: six perceptual shifts, 3 C.E. hrs.
- 2010 ***Integral Sustainable Design: Transformative Perspectives***, Earthscan Press, published 4/2011 (Book). The book is a major accomplishment resulting from 8 years of reflection, study, writing, and application in classes.
- 2010 ***UT Certificate in Sustainable Design and Green Building, Level 2 certificate launched***, an on-line continuing education program for licensed design Professionals. The Level 2 program was launched in March, 2010 with several optional topical C.E. credit packages. The full, 3-level program is 72 C.E. credits.
- 2009 ***UT Certificate in Sustainable Design and Green Building, Level 1 certificate launched***, an on-line continuing education program for licensed design Professionals. The Level 1 program was launched in March, 2009 with 25 required C.E. credits. The full, 3-level program is 72 C.E. credits.
- 2007 ***Mississippi Art Plaza: Climate and Site***, microclimate analysis consulting project, Jackson, MS
- 2006 ***Patterns of Green Infrastructure: Tools for Urban Design***, Boston Society of Architects Grant
- 2006 ***Beaver Creek Watershed Green Infrastructure Plan***, Knox County, TN, a multi-year project with a substantial public component to develop conservation and development strategies in a suburbanizing, high-growth area, 3 x 25 miles in area.
- 2004 ***Chattanooga GreenCenter Exhibit***, Produced a graphic traveling exhibit of the *Chattanooga Downtown Plan Environmental Study*.
- 2003 ***Green Urban Patterns: Evaluating Development Alternatives for Air Quality and Urban Cooling***, explored improving hot season microclimate by urban design in downtown Chattanooga.
- 2002-03 ***Chattanooga Downtown Plan, Environmental Component. Chattanooga Downtown Plan Environmental Study, phase 1***, a multi-year project. I was asked to make a study of how the Chattanooga Downtown Plan could become more environmentally sound.
- 2003-04 ***Chattanooga Downtown Plan Environmental Study, phase 2***. I continued developing maps, studies, and proposals for the downtown plan.
- 2002 ***Climatic Design Resources, on-line information for architectural design***. This project purpose was to collect, organize, and interpret climate information for 23 representative U.S. cities and to make the results freely available through the "Climatic Design Resources" web site.
- 2002 ***Sun, Wind, & Light On-Line and Instructor Resources***  
This project produced an added-value on-line resource web site for students, instructors, and architects, along with a CD for instructors who use the *Sun, Wind, & Light* text in teaching.
- 2001 ***Sun, Wind, and Light: architectural design strategies, 2nd edition*** (co-author with G. Z. Brown)  
*Sun, Wind, and Light*: is a book for designers who want to consider the form-generating potential of climatic forces in the earliest stages of the design process.

**Grant & Contract History**

<b>DATE</b>	<b>PROJECT</b>	<b>GRANTOR / CONTRACT</b>	<b>AMOUNT</b>
2012	Bundle-Up! Game for learning net-zero energy design strategies	College of Architecture and Design Faculty Development Awards	\$1500
2011	A New Knowledge Structure for Net-Zero Energy Design	Upjohn Initiative	\$25,000
2010	Sun, Wind & Light: architectural design strategies, 3rd edition (book)	Humanities Initiative Book Subvention	\$3,000
2010	Integral Sustainable Design: transformative Perspectives (book)	Humanities Initiative Book Subvention	\$3,000
2010	Sun, Wind & Light: architectural design strategies, 3rd edition (book)	Provost's Faculty Development Award for Research	\$2,000
2010	Integral Sustainable Design: transformative Perspectives (book)	College of Architecture and Design Faculty Development Awards	\$3,500
2010	Integral Sustainable Design: transformative Perspectives (book)	Author contract with Earthscan, Ltd.	% of book sales
2010	Sun, Wind & Light: architectural design strategies, 3rd edition, manuscript and electronic component	Author contract (with G. Z. Brown) with John Wiley & Sons	% of book sales
2010	Sun, Wind & Light: architectural design strategies, 3rd edition, illustrations and product/book design & layouts	Author (DeKay) contract with John Wiley & Sons	\$10,000
2007	Faculty Research Initiatives Support	Reagan Faculty Development Award	\$7,000
2008-09	Contract for partnership, online continuing education Certificate in Sustainable Design and Green Building for licensed design professionals. Co-managed with Richard Kelso	Contract between UT and RedVector.com	% of course sales to UT COAD
2008-10	On-line Continuing Education Courses for Design Professionals 1. Intro to Integral Sustainable Design Theory 2. Levels of Complexity in Sustainable Design 3. Designing Relationships to Nature 4. Ecological Design Thinking	Author contract with RedVector.com	% of course sales to author
2007	Faculty Research Initiatives Support	Reagan Faculty Development Award	\$7,000
2007	Mississippi Art Plaza: Climate and Site, microclimate analysis project, Jackson, MS	Commissioned by Bemis Architects	\$5,000
2006	Patterns for Green Infrastructure, tools for urban design, with Tracy Moir-McClean	Boston Society of Architects	\$10,000
2006-2010	Online Professional Continuing Education Courses, from Sun, Wind & Light 1. Designing for SW&L: Analysis Tech (5 hrs) 2. Designing for SW&L : Strategies for Building Groups (3 hrs) 3. Designing for SW&L: Strategies for Bldgs (4 hrs) 4. Designing for SW&L: Strat for Bldg Parts (4 hrs) 5. Designing for SW&L: Strategies for Supplementing Passive Systems (2 hrs)	Licensed derivative works: Publisher contract with RedVector.com	% of course sales, split with publisher (Wiley)
2005-2007	Setting Design Priorities: A Climatic Design Method and Computing Tool (SWL Apps Manual)	1. Provost's Professional Development 2. Research Awards/UT CoAD	\$7,500

**Grant & Contract History**

<b>DATE</b>	<b>PROJECT</b>	<b>GRANTOR</b>	<b>AMOUNT</b>
2005-2006	Beaver Creek Green Infrastructure Plan, Co-PI with Tracy Moir-McClean	Beaver Creek Task Force, Knox Land & Water Conservancy.	\$41,000
2004	Developing an Integral Method for Open Space Planning using the Beaver Creek Watershed	UT's SARIF Summer Graduate Research Assistantship Competition	\$3,000
2004	Integrated Methods for Green Infrastructure Planning (BC Watershed Green Infra project)	UT's Chancellor's Award to Pursue External Funding	\$6,000
2004-6	Navigating Design Knowledge, instructional modules to support ecological design in architecture classes (SWL Apps Manual)	UT Innovative Technology Center, Teaching With Technology Program	\$15,000
2004-2007	Building at the Edge: An Exhibit of Architectural Photos on In-Between Space from A Fulbright to India	1. UT Exhibit, Performance, and Publication Expenses Fund 2. UT Development	\$2,000
2004	Chattanooga GreenCenter Exhibit	UT EPPE fund	\$1,500
2004	GIS software, and equipment.	SARIF Equipment and Infrastructure Fund	\$29,000
2004	The Bioclimatic Dwelling, instructional modules to support ecological design in architecture classes.	UT Innovative Technology Center, Teaching With Technology Program	\$15,000
2003	Green Urban Patterns: Evaluating Development Alternatives for Air Quality and Urban Cooling	Provost's Professional Development and Research Awards	\$1,000
2003	Maps to Design Knowledge: the Sun, Wind, & Light Applications Manual	1. College Development Award (Reagan) 2. UT Small Grant 3. Graham foundation grant	\$18,200
2003	Chattanooga Downtown Plan Environmental Study, phase 2	City of Chattanooga	\$9,999
2002	Chattanooga Downtown Plan Environmental Study, phase 1	City of Chattanooga	\$12,000
2001	Sun, Wind, & Light on-Line: instructor and user resources	UT College of Arch + Design, Reagan Faculty Development Award	\$4,000
2001	Maps to Design Knowledge: SWL applications manual	Graham Foundation for Advanced Studies in the Fine Arts	\$9,000
2001	Sun, Wind, & Light on-Line: SWL applications manual	UT Provost's Professional Development and Research Award	\$2,000
2000-01	Climatic Design Resources: information for architectural design	Evelyn and Harold Hay Fund/Renewable Energy Institute, Cal Poly Foundation	\$18,275
1998-1999	Sun, Wind, & Light: architectural design strategies, 2nd edition	John Wiley & Sons	\$7,200
1998-1999	Sun, Wind, & Light: architectural design strategies, 2nd edition	Washington University School of Architecture, Graduate Research Assistant Grants	\$4,000
1999	Sun, Wind, & Light: architectural design strategies	Graham Foundation for Advanced Studies in the Fine Arts	\$5,000
1997-2000	Architecture and Energy: forming a network for course material development, evaluation and dissemination	U. S. Dept. of Education, Fund for the Improvement of Postsecondary Education (subcontract from Univ. of Oregon)	\$45,000
1993	A Review of Design Tools and Strategies for Ecological Urban Design	Virginia Tech College of Architecture and Urban Studies Creative Match Grant	\$1,500

**COMPLETED PROJECTS [cont.]**

- 2000 ***Architecture and Energy: Forming a Network for Course Material Development, Evaluation, and Dissemination***, a three-year project that sought to improve architecture students' and practicing professionals' understanding of how to design energy-efficient buildings by developing course materials to support the existing computerized design tool, *Energy Scheming*, by evaluating student learning using these course materials, and by disseminating the course materials to architecture schools.
- 1994 ***A Review of Design Tools and Strategies for Ecological Urban Design***

**PROFESSIONAL WORK**

**Professional Projects (built works with design responsibility)**

- 1989 ***Diamond Residence, Richmond, MA.*** Project architect with David Sellers. An exploration in design/build using tree columns cut from site. Lived on construction site for two months. Construction began from framing model and freehand plans.
- 1989 ***Pittman Residence, Nantucket Island, MA.*** Project architect with David Sellers. Vacation house in a historic district.
- 1988 ***Wolfboro Inn Renovation and Addition, Wolfboro, NH.*** Job captain with Sellers & Co. (design development to construction docs). Large addition to hotel on Lake Winnepesaukee.

**Professional Projects (built projects with documents and construction responsibility)**

- 1987 ***Inn of the Six Mountains, Killington, VT.*** Job captain with William Maclay, architects (design development - working dwgs). A 104 room hotel at Killington ski resort. Won praise from state officials for its environmental responsibility.
- 1987 ***Gesundheit Institute Workshop, Droop, WV,*** Job captain with William Maclay, architects (working dwgs - construction). Three story heavy timber workshop.
- 1986 ***Louisiana Nature and Science Center, Phase II, New Orleans, LA.*** Working drawings production with Eean McNaughton and Assoc.

**Planning Work**

- 1987 ***Gesundheit Institute Master Plan.*** Design team with William. Maclay, architects (prelim. des - des. develop.). Master plan of rural campus for a holistic health community. Clients were committed to ecologically sound development.
- 1986 ***Institute for Social Ecology Master Plan, Rochester, VT.*** Team member with William. Maclay, architects for master planning of rural campus. Clients were committed to ecologically responsible development.
- 1985 ***T. T. Wentworth Florida State Museum Exhibits Master Plan, Pensacola, FL.*** Job captain with Eean McNaughton and Assoc. Permanent exhibit on W. Florida history.

**Un-built Projects (selected)**

- 1994 ***Leber Residence, Richland, Washington.*** An environmental and passive energy demonstration home in the Washington high desert, employing passive downdraft evaporative cooling and passive solar heating
- 1989 ***Knuth Residence, Sharon, VT.*** Project architect with David Sellers. A nontoxic residence for a chemically sensitive M.D. Owner died before construction.
- 1989 ***Gesundheit Institute Hospital, Droop, WV.*** Job captain with Sellers and Co. (prelim. design) On hold for funding. A health facility for a holistic health community on a rural campus.
- 1989 ***Cathedral of St. John the Divine, South Transept Completion, New York City, NY.*** Design team member with Sellers and Co.
- 1989 ***Graff Residence and Chamber Hall, Sonoma Valley, CA.*** Job captain with Sellers and Co. (prelim. design - design development). Waiting for permits. A multiuse tower including a three story performance hall and pipe organ for a winery.

### Historic Building Documentation Work

- 1986 *Cabildo and Louisiana State Museum Buildings, New Orleans, LA.* Documented details of two 18th century public buildings on Jackson Square for restoration project (Eean McNaughton and Assoc).
- 1983 *New Orleans Warehouse District Photographic Survey, New Orleans, LA.* Survey team member with Architectural View, including shooting, processing, and editing photomontages.

### SERVICE

#### Institutional Service (selected, UT Only)

- 2013 Ad-hoc NAAB Accreditation Committee
- 2012-present Director's Advisory Committee
- 2007-11 **Administration (50%): Director of Graduate Studies (College)**
- 2007-11 **Administration (50%): Chair, Architecture Graduate Programs**
- University Graduate Dean's Council, College representative
- University Graduate Council, College representative
- University Graduate Council Academic Policy Sub-committee member
- S/Arc Exhibit Curator, NAAB accreditation exhibit of graduate programs
- S/Arc Graduate Program Committee, Chair
- COAD Graduate Studies Committee, Chair
- S/Arc Tenured Faculty Committee
- COAD Ad-hoc Committee on Research Center
- CAOD Library & Archives Committee
- CAOD Ad-Hoc College Research Committee
- COAD Ad-Hoc 2010 Imperative Implementation Committee
- ID Program, Interior Design Search Committee
- S/Arc Ad Hoc Sub-committee on Post-Professional Urban Design Program
- COAD College Curriculum Committee
- University Ad-hoc Committee on Research Centers
- University Ad-hoc committee on the future of MUP degree
- COAD Dean's Advisory Committee
- S/Arc Search Committee for two tenure-track positions
- COAD Ad-hoc Faculty Facilitation Committee
- S/Arc Graduate Program Committee

#### Service to the Profession and Community (selected)

- 2014 **Technical Review Committee**, International PLEA 2014 (Passive and Low Energy Architecture) conference, Ahmedabad India
- 2013–2016 **Climate Reality Leadership Corps**, 10 acts of leadership annually. Trained August 2013.
- 2008–present **Editor, UT Certificate in Sustainable Design and Green Building**, online continuing education courses, in partnership with RedVector.com
- 2013 **[Keynote Address] Ecological Thinking for Integral Design**, *Atmospheres 5/Ecology and Design*, Feb 7–9, Faculty of Architecture, University of Manitoba, Winnipeg
- 2012 **A New Knowledge Structure for Net Zero Energy Design: the Bundle Game prototype**, *Society of Building Science Educators (SBSE) Summer Meeting: The Next Generation*. McCall Field Campus, June 15–17, University of Idaho



- 2012 [Keynote Address] **Integral Sustainable Design: Diversity Aligned**, *Sustainability Forum*, Philadelphia University, March
- 2011 Presenter, **Climatic Analysis and Design**, Architecture 2030 continuing education series, North Carolina AIA, Charlotte, NC.
- 2009 **Tenure and Promotion Review, external reviewer**, Kansas State University
- 2009 **Integral Sustainable Design** [Lecture and panel], *Focus the Nation*, Jan 31, 2009, UT local site, Knoxville, TN
- 2008 **Green Infrastructure** [Lecture] to *International Society of Arboriculturists Convention*, Mar 17, 2008, Knoxville, TN
- 2008 **Organized** local *Arch 2030* webcast event at UT
- 2008 **Tenure and Promotion Review, external reviewer**, UCLA
- 2007 **A Vision for Future Development: The Beaver Creek Watershed Green Infrastructure Plan**, [Lecture and Exhibit], Nashville Civic Design Center, Nashville, TN, June 21
- 2007 **Tenure and Promotion Review, external reviewer**, UCLA
- 2006 **Conference Organizer, Integral Sustainable Design**, a 3-day scholarly event, *Society of Building Science Educators (SBSE) Summer Meeting*, exploring the implications of integral theory for teaching sustainable design. Held at Colorado State University Pingree Park Mountain Campus, July 15-18, 2006. I co-chaired the program with Mary Guzowski (U of Minn.), facilitated half the meeting, and gave two plenary presentations on the theme.
- 2004-6 **Beaver Creek Green Infrastructure Plan**. Most of personal project time donated as public service, free of charge. >1000 of hours.
- 2003-4 **Chattanooga Downtown Plan, Environmental Component**. All personal project time donated as public service, free of charge. >1000 of hours.
- 2001-02 **Conference Program Co-Coordinator**, *Society of Building Science Educators Summer Workshop*, "Ecoliteracy in Design Education," Nevada Sierras, June 2002.
- 1999 **Technical Review Committee**, *American Solar Energy Society (ASES) Passive Conference*.
- 1998-99 **Board of Advisors**, national advisor to the *Ecological Design Education Network (EDEN)*, an internship program for design students, run by the Ecological Design Institute.
- 1998-99 **Board of Advisors**, Green Center, a nonprofit organization based in University City, MO, dedicated to outdoor environmental education and the creative arts.
- 1998 **Public Lecture** to Sustainable St. Louis, lecture and led a public discussion at UMSL, for the citizens group "Sustainable St. Louis," on the topic of "The Ecological City."
- 1998 **Public Lecture**, "Photovoltaic Architecture" Unitarian Church of St. Louis.
- 1998 **Session Moderator**, *Passive Cooling, American Solar Energy Society (ASES) Conference*, Albuquerque, NM, June.
- 1998 **Session Moderator**, *Vital Signs Curriculum Project Workshop*, Berkeley, CA.
- 1997 **Colloquium Lecture**, "The Ecological City," Dept. of Engineering and Public Policy, Carnegie Mellon University.
- 1997 **Review Panel** for integrated projects, Dept. of Engineering and Public Policy, Carnegie Mellon University.
- 1994 **Conference Program Coordinator**, *SBSE Summer Curriculum Development Workshop: Education and Research for Sustainability*, for Society of Building Science Educators, Green Gulch Zen Center, CA, June 30 - July 3.
- 1992 Local Expert Panel for AIA "Building Connections" teleconference series on environmentally conscious design, October.
- 1990-92 **Founded Du-ma' Cooperative, Inc.**, a resident-owned housing cooperative, operating two large properties in Eugene, Oregon. Established to provide low cost community housing and ecological life-styles within an urban area.
- 1990-92 **Founded Du-ma' Cooperative, Inc.**, a resident-owned housing cooperative, operating two large properties in Eugene, Oregon. Established to provide low cost community housing and ecological life-styles within an urban area.