

# GREEN BUILD

INTERNATIONAL CONFERENCE & EXPO  
COME TO CHICAGO → NOVEMBER 7-9 2007

## Greenbuild 2007

### Teaching and Learning Green

Thursday, November 8<sup>th</sup>

10:00 AM – 11:30 AM

Room W-194A/B

### **OR11 An Integrated Design Eco-Charrette: A Model for Sustainable Campus Building and Landscape Design**

Campuses as living laboratories for sustainable design is a powerful concept. Yet, how do we move from theory to practice in making our campus buildings and landscapes "green"? This presentation will illustrate how three interdisciplinary design teams, specializing in green design, were hired to generate alternative schemes for a campus sustainable technology park through a 3-day intensive design process that brought architects, engineers, facilities personnel, faculty, and students together on campus for a common design goal. Members of the design teams will share their perspectives on the eco-charrette as a means to successfully introduce sustainability concepts into campus buildings and landscape design. This case study provides a model that facilities managers, architects, landscape architects, engineers, campus administrators, faculty and students, can adopt to accelerate the integration of innovative green design technologies and strategies into their projects. Specifically, the charrette demonstrated that advanced pre-design planning and research by campus staff and faculty combined with experienced and integrated design teams brought in at the conceptual stage can provide educational and institutional value in affecting both the learning and physical environment on campus.

Presenter: **William Leddy**

Leddy Maytum Stacy, Architects, San Francisco, CA

Presenter: **Brad Jacobson**

Ehdd Architecture, San Francisco, CA

Presenter/Convener: **Margot McDonald**

Architecture, Cal Poly-SLO, San Luis Obispo, CA

Onsite Convention Contacts: **Kath Williams & Lesly Mroczkowski**  
Speaker Ready Room W-195  
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#### **Presenter Biographies**

Presenter: **William Leddy**

Leddy Maytum Stacy, Architects, San Francisco, CA

William Leddy, FAIA, works closely with his clients and collaborators to create high-performance architecture that integrates rigorous aesthetics, appropriate technology, and environmental sensitivity. A graduate of the University of Oregon in 1975, Mr. Leddy served as Vice President for Tanner Leddy Maytum Stacy Architects for twelve years prior to forming LEDDY MAYTUM STACY Architects in 2000. His diverse body of work includes cultural, commercial, multi-family and single family housing projects in both new construction and the adaptive reuse of existing and historic structures. Mr. Leddy's work has received numerous regional and national design awards from organizations including the American Institute of Architects, the U.S. Department of Energy, the U.S. Green Building Council, Pacific Gas & Electric Co., and Southern California Edison. He has lectured widely and served as visiting professor at the Southern California Institute of Architecture, the University of California, Berkeley and the California College of the Arts. Mr. Leddy's projects have been published widely in the U.S. and abroad and exhibited nationally. Representative works are included in the permanent collection of the San Francisco Museum of Modern Art. Mr. Leddy's completed projects include the California College of the Arts San Francisco Campus, the Bay School of San Francisco, and Offices for the Natural Resources Defense Council, also in San Francisco. Current projects include a sustainably designed middle school in Hillsborough, California, and an 85,000 sf international center for the Independent Living and Disabled Rights movement in Berkeley, California that integrates Sustainable and Universal Design strategies.

Presenter: **Brad Jacobson**  
Ehdd Architecture, San Francisco, CA

Brad Jacobson, LEED AP, has been involved in some of EHDD Architecture's most significant sustainable projects since joining the firm in 2002. He served as Project Architect on Carnegie Institution's Global Ecology Research Center, an interdisciplinary research center at Stanford University that reduced carbon emissions from energy and materials by over 60% and was named a National AIA Top Ten Green Building in 2007. Brad was Project Manager on Stanford's Kavli Institute for Particle Astrophysics and Cosmology, a 25,000 square-foot research facility featuring exceptional daylighting and an underfloor air distribution system, and he recently completed a feasibility study, sponsored by Stanford University's School of Engineering, for an innovative dormitory and research laboratory designed to test and demonstrate sustainable building methods and technologies. He is now Project Architect on a 91,500 square-foot, energy-efficient Biomedical Science Facility at the University of California, Santa Cruz. Brad received his Bachelors of Arts in Urban Studies from Stanford University and a Masters of Architecture from the University of Pennsylvania. He is a Visiting Lecturer in the School of Engineering at Stanford University, where he has been teaching a course entitled Green Architecture for the past five years.

Presenter/Convener: **Margot McDonald**  
Architecture, Cal Poly-SLO, San Luis Obispo, CA

**Prof. Margot McDonald, AIA, LEED-AP**

Professor - Architecture Department  
Co-director - Renewable Energy Institute  
Cal Poly San Luis Obispo

Margot McDonald is professor of Architecture at Cal Poly-San Luis Obispo as well as an NCARB-certified and registered architect in the State of Oregon. She holds a Masters in Architecture degree from the University of Oregon as well as undergraduate degrees in Mathematics and French from the University of California at Santa Barbara. She is a doctoral candidate in Geography at UC-Santa Barbara where she is designing a climate classification system for passive and low energy buildings in California. Her professional affiliations include membership on the Board of Directors of the American Solar Energy Society (ASES), Chair of the USGBC Formal Education Committee, past president of the Society of Building Science Educators (SBSE), and program chair for the 2008 campus sustainability conference for the three California state college and university systems (UC/CSU/CCC). Her consulting work includes a sustainability master plan for the CSU-Monterey Bay campus and a proposal for a biological wastewater and solid waste facility for the Cal Poly campus. Her educational research efforts include development of *SEDE: Sustainable Environmental Design Education* program, a curriculum framework for professional schools of architecture and landscape architecture that was funded through the California Integrated Waste Management Board. To balance her work life, she enjoys hiking, generally being outdoors, and learning to play the Celtic harp.