

Wagner Zaun
Architecture

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Rachel Wagner

Education

B.S. Design and Environmental Analysis, 1988
Cornell University, Ithaca, NY

Registration

Licensed Architect, State of Wisconsin
Licensed Architect, State of California

Experience

Wagner Zaun Architecture Inc, Duluth, MN
Founder and owner
October 2005 – present
Specialization in single-family residential design, research, energy efficiency and resource conservation. Expertise in low-energy high performance building, affordable housing, passive solar design and renewable energy systems.

art'chitecture, Duluth, MN
Sole proprietor
September 1996 – September 2005
Residential and commercial design, research and consulting. Specialization in energy efficiency and conservation, solar design, and sustainable practice.

Schoen Associates, Inc., Grand Forks, ND
Designer/Project Manager
November 1993 - August 1996
Programming, design, and project management for commercial, institutional and community projects.

Kirkpatrick Associates Architects, Los Angeles, CA
Designer
April 1990 - August 1993
Design, contract documents, and project management for residential and small commercial projects.

J.T. Nakaoka Associates Architects, Los Angeles, CA
Designer
October 1989 - April 1990
Interior design: Bergdorf/Goodman Men's Store, New York

Robert S. Leathers & Associates, Architects, Ithaca, NY
Designer
May 1987 - October 1989
Design, community organization, and construction supervision of volunteer-built playgrounds nationwide.

Affiliations

Member, Duluth Energy Design Conference planning committee
Duluth Cities for Climate Protection Advisory Committee
Member, Chair of Committee 2008-present
Member, Passive House Institute U.S. (PHIUS) Alliance

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Educational and Training Activities

Presentations

- "Integrated Design"
(Presented with Michael LeBeau, Conservation Technologies)
North American Passive House Conference, Duluth, MN - 2008
- "Energy Efficient Design"
National Building Energy Codes Conference, St. Paul, MN - 2008
- "Study, Selection and Significance in Sustainable Affordable Housing"
MNGC Green by Design Conference, Minneapolis, MN - 2008
- "Shades of Green" Panel Discussion on Costs of Building Green
Energy Design Conference, Duluth, MN - 2008
- "Approaching the Passive House - Cold Climate Case Studies"
(Presented with Michael LeBeau, Conservation Technologies)
Energy Design Conference, Duluth, MN - 2008
North American Passive House Conference, Urbana, IL - 2007
- "Redefining Energy Efficient Building"
(Presented with Michael LeBeau, Conservation Technologies)
Energy Design Conference, Duluth, MN - 2007
- "Eco-Home at Hawk Ridge - A Case Study"
Energy Design Conference, Duluth, MN - 2007
- "A Sustainability Index: Balancing Green Building with Affordable Housing"
Energy Design Conference, Duluth, MN - 2007
- "Be Resourceful - Building Today with Tomorrow in Mind"
Energy Design Conference, Duluth, MN - 2006 and 2005
- "Single Family Rehab: A Unique Challenge"
MNGC Green by Design Conference, Plymouth, MN - 2006

Research/Publications

- Skyline House, Case Study: Green Building Advisor, 2009
- Houses for a Changing Climate, Passive Houses in the U.S., 2008*
Chapter 9: The Skyline House - A Passive House Challenge
Written by Katrin Klingenberg, Published by Low Carbon Productions
- Fine Home Building*, "Houses You Can Heat with a Hair Dryer"
May 2008, Written by Rachel Wagner
- Home Energy Magazine*, "Comfort in a Very Cold Climate"
February 2008, Written by Rachel Wagner
- Skyline House featured in *Energy Design Update*, December 2007