



Date:

Wednesday, March 24, 2010

Time:

3:30 p.m. – 3:50 p.m.

Presentation:

“Sustainability - More Than Gold, Silver, Platinum”

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Sustainable design is not just about collecting LEED points. It is about how we design man made environments to respond and interact with natural systems. This presentation will give participants the resources to recognize the opportunities and limitations of utilizing geography, light, water and air as part of a design approach. Areas to be addressed are:

- The integrated design approach: how, what and why
- Designing regionally & the four coordinates of the compass
- Daylighting theory and techniques
- Progressive approach to storm water management
- Theory and techniques of natural ventilation

Learning Objectives:

1. Participants will be able to identify approaches to improving building and sites through integration of natural systems. This will be done through explaining basic theory behind designing with natural systems and examples of existing projects that utilize them.
2. Participants will be able to implement an integrated design approach by better understanding the design process and what key diverse consultants are required to achieve maximum benefit.
3. Participants will learn how to integrate engineered and natural building systems to achieve optimum building performance and occupant satisfaction. This will be done through a review of the theory and applications of these systems and illustrate proven approaches to achieving high performance buildings.
4. Participants will learn how to apply metrics to evaluate the success of the implementation of sustainable strategies. This will be done by showing how to perform energy modeling early in a project and doing post occupancy energy evaluations.

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biography
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Presenter Biography:

Daniel J. Becker, AIA, LEED AP

Mr. Becker is a NCARB certified architect with Plunkett Raysich Architects with over 25 years experience. He is registered in the States of Wisconsin, Michigan and Florida, is a board certified member of the American College of Healthcare Architects, and a LEED Accredited Professional. He received a Bachelor's of Science Degree in Architecture from the University of Wisconsin-Milwaukee, and a Master's of Architecture from the University of Minnesota. He is the recipient of a full fellowship to the ACSA Construction Materials & Technology Institute at Harvard University. He has published articles on sustainable design in such publications as "Environmental Design+Construction", "Healthcare Design", "Wisconsin Architect" magazine, "Licensed Architect" magazine and lectured on the topic at various forums and conferences including the annual conferences of the Greening The Heartland Conference, Health Facility Institute, Annual Chicago Architecture Conference, H2E Teleconference, Wisconsin Green Building Alliance, Storage Systems Annual Sales Meeting and Washington County Economic Development Commission Seminar Series. He was nominated to the Board of Directors of the USGBC, was past president of the Southeast Chapter and Director at Large of American Institute of Architects Wisconsin. Personal awards and citations include Citation, Remembrances & Transformations Competition, "Iowa Architect", Honorable Mention, Hook Line & Shelter Competition, "Minnesota Architect", First Place, Wisconsin Society of Architects Affordable Housing Design Competition, multiple Citations for Service from AIA Wisconsin and a 2006 AIA Wisconsin Merit Award for the design of the Gunderson Lutheran Renal Dialysis Center.