



# Madison Section NEWSLETTER

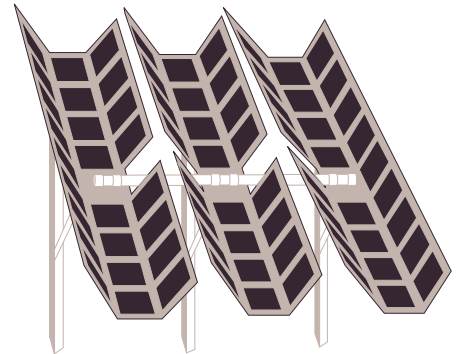
Volume 4, Number 6

Serving IEEE Members of South Central Wisconsin

September 2001

## Photovoltaics in Wisconsin

- Date/Time:** Thursday, September 20, 2001, 11:45 AM - 1:00 PM
- Speaker:** Niels Wolter, MSB Energy Associates & Director of Wisconsin Solar Use Network (WisconSUN)
- Location:** Rocky Rococo's Pizza, 7952 Tree Lane (Madison Beltline Hwy. at Mineral Pt. Rd.), 608.829.1444
- Menu:** Pizza buffet, salad and soft drinks (cost \$8.00)
- RSVP:** by September 17th to Roy Thompson via email (roy.thompson@tdstelecom.com) or call 608/664-4415



*Non-member guests are always welcome!*

Niels Wolter will quickly introduce us to photovoltaic (PV) systems, and discuss their various markets. This will include plenty of photographs of PV systems for urban building integrated systems, rural grid connected systems, rural off grid systems and utility scale systems (many of them located in the Madison area). He will also summarize the costs and benefits of PV in each market. Then he will review the status of Wisconsin's PV market and what is being done to support the market (i.e., net metering, utility interconnection agreements, installer certification, and incentives). Lastly Niels will attempt to "crystal ball" the future role of PV in Wisconsin.

Niels Wolter biography:

- Associate with MSB Energy Associates, a public interest energy consulting firm located in Middleton.
- Currently director of the Wisconsin Solar Use Network (WisconSUN) a program of the Energy Center of Wisconsin
- M.S. degrees in Energy Analysis Policy from UW-Madison, and Geology and Geophysics from Louisiana State University
- B.S. degree on geology from University of Michigan-Ann Arbor
- Used to work for: Chevron USA, and Resource Management Associates - an international energy efficiency consulting firm located in Madison

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## Being A Section Officer - part 2

*Craig Heilman, 2001 IEEE Madison Section Chair*

We are getting closer to that time of year again - officer elections. We will hold our annual officer elections at the December meeting. In the May issue of this newsletter, I wrote an article touting the benefits of being a IEEE Madison Section Officer but in this issue (and following issues) I'd just like to list the "official" duties of each officer position as detailed at <http://www.ieee.org/organizations/rab/scs/secofficer.html>. We'll start with the Section Chair - my current position. Hopefully I won't scare off any potential officer candidates with these lists!

PART 1 - Section Chair

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### IEEE MADISON SECTION OFFICERS

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Member at Large: Dan Danbeck, 262.3748  
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1. FUNCTION. The Section Chair manages the operation of the Section.
2. SUMMARY OF DUTIES AND RESPONSIBILITIES
  - a. Is familiar with the IEEE Constitution, Bylaws, RAB Operations Manual and the Section Bylaws
  - b. Has full knowledge of the contents of the IEEE Section manuals.
  - c. Is responsible for keeping the Section Bylaws current.
  - d. Is responsible for the operation of the Section to maximize determination and satisfaction of Section member needs with the resources available.
  - e. Is responsible for the establishment and maintenance of Chapters in his/her Section for all societies having 12 or more interested members who reside in the Section.
  - f. Is responsible for maintaining a healthy, growing Section.
  - g. Develops and presents plans for meeting members needs to the Section Executive Committee.
  - h. Presides at meetings of the Section and the Section Executive Committee.
  - i. Presents appointments of Committee Chairs to the Executive Committee for review.
  - j. Is responsible for obtaining satisfactory performance from the other Section Officers and the Section Committee Chairs.
  - k. Is responsible for assuring that replacements are available for all Section Officers and Committee Chairs.
  - l. Is responsible for assuring that all Section Officers, Committee Chairs, and Chapter Chairs are properly trained for their jobs.
  - m. Serves as the Section Representative on the Regional Committee.
  - n. Prepares an annual summary report of Section activities as required by Region.
  - o. Is responsible for the transfer of documentation (i.e., IEEE Bylaws, RAB Operations Manual, etc.) to the new Section Chair at the end of his or her term of office.
  - p. Presides at the installation of the new Section Officers.
  - q. Is responsible for arranging a suitable meeting for honoring newly elected Fellows.
3. AUTHORITY
  - a. Approves all actions within the scope of the policies and plans adopted by the Section.
  - b. Exercises any authority delegated to him/her by the Regional Director.
  - c. Delegates authority to other Section Officers and Committee Chairs.
4. RELATIONSHIPS
  - a. Represents the Section at all IEEE meetings, including Region Committee meetings.
  - b. Reports to the Regional Director and, where appropriate, Area Chair.
5. PRESENTATION OF CERTIFICATE TO OUTGOING CHAIR. Upon request, a certificate of appreciation for the outgoing Section Chair will be mailed by IEEE Section/Chapter Support Staff to the incoming Section Chair, for presentation at an appropriate ceremony. Without such a request, the certifi-

icate is mailed directly to the outgoing chair at the conclusion of their term of office.

6. APPOINTMENT OF SECTION COMMITTEE CHAIRS.

The Section Chair shall be responsible for appointing the Chairs of all Committees, as specified in the Section Bylaws, with such appointments made as soon as it is reasonably possible after taking office. These Committees usually include:

- a. Awards
- b. Chapters Activities
- c. Educational Activities
- d. Finance
- e. Membership Development
- f. Newsletter Editor
- g. Nominations
- h. Professional Activities
- i. Student Activities

7. CONDUCT MEETINGS OF SECTION EXECUTIVE COMMITTEE.

One of the chief duties of the Section Chair is to act as Chair of the Section Executive Committee, to hold regular meeting of that Committee and to see that, by action of that Committee, the affairs of the Section are handles properly and in the best interests of the Institute. The Chair shall call meetings of the Section Executive Committee as such meetings are found necessary (usually on a monthly basis), and as may be called for in the Section Bylaws.

8. CONDUCT MEETINGS OF THE SECTION.

The Section Chair shall preside at all regular and special meetings of the Section.

9. MEMBER OF REGIONAL COMMITTEE.

As the official representative of the Section on the Regional Committee, the Section Chair shall attend the regional Committee meeting held at least once a year. The Chair shall be prepared to submit to the Regional Committee names of such candidates as instructed by the Section for nomination for Regional Director or other IEEE offices. The Section Chair shall report to the Section Executive Committee after any Regional Committee meeting or other meeting attended as a representative of the Section.

10. ANNUAL REPORT OF SECTION CHAIR.

At the close of the administrative year, the Section Chair shall prepare a consolidated report of the activities of the Section during the operating year, furnishing copies to the Regional Director and the incoming Section Chair, with a copy filed in the permanent records of the Section.

11. INSTALLATION OF INCOMING SECTION OFFICERS.

The outgoing Section Chair shall arrange for the installation of incoming officers at a suitable Section ceremony.

<p>UNIVERSITY OF <b>WISCONSIN</b> M A D I S O N</p>	<p>College of Engineering Department of Engineering Professional Development</p>
<p><b>Fall 2001</b> <b>Telecommunications Short Courses</b></p>	
<ul style="list-style-type: none"><li>■ <b>DC Power System Design for Telecommunications,</b> <i>September 12–14, 2001 in Madison, WI</i></li><li>■ <b>Fundamentals of Data Communications,</b> <i>September 20–21, 2001 in Madison, WI</i></li><li>■ <b>Fundamentals of Wireless Data Communications,</b> <i>September 24–26, 2001 in Madison, WI</i></li><li>■ <b>Planning and Implementing Point-to-Point Microwave Radio Systems,</b> <i>October 1–3, 2001 in Madison, WI</i></li><li>■ <b>Basic Telephony and Digital Switching,</b> <i>October 16–19, 2001 in Las Vegas, NV</i></li><li>■ <b>Cellular and PCS Wireless Communications for Non-Engineers,</b> <i>October 23, 2001 in Madison, WI</i></li><li>■ <b>Fundamentals of Cellular and PCS Wireless Communications,</b> <i>October 24–26, 2001 in Madison, WI</i></li></ul>	
<p>For further information...</p>	
<p>Web: <a href="http://epdweb.engr.wisc.edu">http://epdweb.engr.wisc.edu</a> or E-mail: <a href="mailto:danbeck@engr.wisc.edu">danbeck@engr.wisc.edu</a></p>	

## Consultants Database Revamped

WASHINGTON (27 July 2001) - The newly designed IEEE-USA Consultants Database is now live on the Web at [www.ieeeusa.org/consultants](http://www.ieeeusa.org/consultants). This premier service matches prospective clients with the world's finest electrotechnology and information-technology professionals-for-hire.

The completely rebuilt database offers many new and enhanced features, making it more powerful and easier to use. The site, which last year logged more than 30,000 visits, is the ideal online meeting place for consultants and prospective clients.

For consultants, the database includes a profile of their credentials, contact information and a link to their Web site. Visibility can be increased through the purchase of online banner ads, and data can be updated instantly at any time. A one-year membership is just \$75 for IEEE members and \$99 for non-members.

Clients, too, will be pleased with the enhanced database. The upgraded search functions - including a new questionnaire-based tool - make it easier to find the right consultant for any project. Clients can also post projects on the new assignment board. There is no charge to clients to search or post on the site.

A searchable compact disk containing the entire database will be available later in the year. For a free copy, call IEEE-USA at 202-785-0017 (x8367) or send an e-mail to [consultantsdatabase@ieee.org](mailto:consultantsdatabase@ieee.org).



**Reach over 700 IEEE members in South-Central Wisconsin with information on your products and services every month with an ad in this newsletter.**

Our members have professional interests in computers, power engineering, signal processing, communications, industry applications and a number of other technical fields.

**For more information, contact John Hicks at (608) 233-4875 or [jhicks@facstaff.wisc.edu](mailto:jhicks@facstaff.wisc.edu).**

Per issue ad rates:	<u>1 Time</u>	<u>2 Times</u>	<u>5 Times</u>	<u>9 Times</u>
Business Card	\$ 50	\$ 45	\$ 42	\$ 41
2-Business Card	83	76	71	70
1/4 Page	145	135	129	127
1/2 Page	215	203	195	193
Full Page	330	315	306	303

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