

November 2011

Rock River Valley Section

[www.ieee.org/rrvs](http://www.ieee.org/rrvs)

Event



Sense

The Institute of Electrical and Electronic Engineers, Inc.

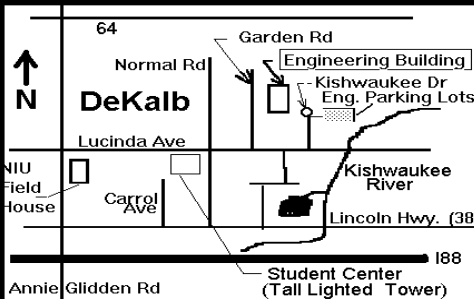
IEEE RRVs, IAS Chapter, and NIU IEEE Student Branch Meeting  
SERVING IEEE MEMBERS OF NORTH CENTRAL ILLINOIS AND SOUTH CENTRAL WISCONSIN

## The Economic Potential for the Photovoltaic Industry

**WHEN** Thursday, November 17, 2011

**WHERE**

**Northern Illinois University, DeKalb, IL;** Engineering Building (590 Garden Rd.), Auditorium room 354. Please call Don Zinger at 753-0540 if you



need directions from outside DeKalb. From Annie Glidden and Lucinda, take Lucinda east to Kishwaukee Dr. ( 0.5 mi). Turn left (north) on Kishwaukee Dr. to parking lot at end of street (0.25 mi). The engineering building is across Kishwaukee Dr. to the north-west (large steel and glass building). Parking passes required, and will be provided by someone in the parking when you arrive.

**AGENDA**

- 6:00 PM Networking
- 6:30 PM Dinner
- 7:30 PM Presentation

**PROGRAM**

The economic potential for photovoltaic power is improving in the United States. With the continued desire for clean sources of electric power there is an increasing demand for solar electric panels. To help with this increased demand a solar panel assembly plant has been set up in Rockford by Wanxiang America Corp. The factors that made such a production facility possible will be addressed along with a brief history of Wanxiang and its relation to the photovoltaic industry. In the discussion a brief comparison between poly-crystalline silicon and mono-crystalline silicon cells will be made. Current trends including the use of panel inverters will be discussed.

**Anderson** is the Plant Manager of Wanxiang New Energy Solar manufacturing facility in Rockford, IL. Brent joined Wanxiang in 2009.

**MEAL INFORMATION**

Dinner will feature a Chinese buffet or Vegetarian Chinese from Yen Ching in DeKalb. Costs: member: \$5, non-member: \$10, student members: \$2, student non-members: \$5. Please make **dinner reservations online (preferred) at <http://meetings.vtools.ieee.org/meetingview/listmeeting/9303>** or by **emailing Laura at [lmweber@niu.edu](mailto:lmweber@niu.edu) by Tuesday, November 15, at 5pm.**



Please include the following: your name, phone number, email address, EEE member number, and meal selection. Unemployed members may call the treasurer for special arrangements.

**SPEAKERS**

**Michael Schaal**, GM of Wanxiang America Corp., Elgin, IL, the parent of Wanxiang New Energy, LTD, maker of Universal Brand Solar Panels. Mike has been with Wanxiang since 1996. **Brent**

**NOTE**

The meeting is open to the general public. You need not be an IEEE member to attend. Guests are welcome. Please email Laura at [lmweber@niu.edu](mailto:lmweber@niu.edu) with questions.

### RRVS October Meeting Recap

Magnetic devices have many applications in EMC and it is important for an EMC engineer to have some understanding of them. Devices like transformers, chokes, inductors, ferrites are used in EMC circuits frequently. Construction and characterization of these devices are important for EMC use. Independent consultant Orin Laney presented a basic overview of the technology.

Additionally, two US FIRST robotics teams, Rockford Robotics and Flaming Monkeys, which the RRVS supports, provided demonstrations of their 2011 robots and the challenge they competed in.



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Messages for student officers can be left at the NIU Dept of Electrical Engineering, (815) 753-9974 or e-mail at [sb.niu@ieee.org](mailto:sb.niu@ieee.org)

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**RRVS Calendar**

- November Annual RRV Section & NIU Student Branch Meeting ..... November 17**  
*Economic Potential for Photovoltaic Industry, Room 354, NIU Engineering Building, DeKalb, IL*
- GOLD/WIE (Graduates of the Last Decade/Women in Engineering) Meeting ..... December 1**  
*10 Things You Can Do Now to help put your Financial House in Order, Networking (6pm) & Financial Advisor Jon Aldrich, CPA, CFP (6:30pm), Dinner (7:30pm) Hong Kong Buffet, Rockford, IL*
- December ..... No RRV Section Meeting**
- January RRV Section Meeting ..... January 26**  
*TBD, Woodward Technology Center, Rock Valley College, Rockford, IL*
- February RRV Section Meeting ..... February 23**  
*TBD, Woodward Technology Center, Rock Valley College, Rockford, IL*

**Rock River Valley Section Chapters**

Industry Applications Society Chapter  
*Established 1992*

Joint Computer/Control Systems Society Chapter  
*Established 1995*

Power Electronics Society Chapter  
*Established 1996*

Electromagnetic Compatibility Society Chapter  
*Established 2007*

**Time-Sensitive Material**

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**10 THINGS YOU CAN DO NOW TO HELP PUT YOUR FINANCIAL HOUSE IN  
ORDER**

**WHEN:** Thursday, December 1, 2011

**WHERE:** Hong Kong Buffet, Rockford, IL; 5456 East State Street,  
Rockford, IL

**AGENDA:**

6:00 PM Networking

6:30 PM Dinner

7:30 PM Presentation

**PROGRAM:**

Jon Aldrich, CPA, CFP®, Principal at Focus Financial Advisors wealth management firm in Rockford will discuss things you can do in the upcoming New Year to help your financial well being. He will discuss topics such as how to monitor your credit rating, reviewing investments, saving on taxes, establishing wills and powers of attorney, ways to earn more interest on your savings, insurance needs and several other topics concerning your finances.

**SPEAKER:**

Jon is a longtime stateline resident and is a Principal at Focus Financial Advisors, a fee only wealth management firm. Jon graduated from Rockford West High School and earned his accounting degree from Northern Illinois University. Jon is a CPA (Certified Public Accountant) and a CFP® (Certified Financial Planner). Prior to joining Focus, he worked for a national public accounting firm and was also the Chief Financial Officer for a Rockford based manufacturing company. Jon has over 20 years of experience in the financial industry.

Please RSVP online at: [https://meetings.vtools.ieee.org/meeting\\_view/  
list\\_meeting/9249](https://meetings.vtools.ieee.org/meeting_view/list_meeting/9249)