

September 2009

Rock River Valley Section

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

Event

Sense

The Institute of Electrical and Electronic Engineers, Inc.

Joint IEEE RRVS, IAS Chapter and Rock Valley College Meeting

## Renewable Energy in Illinois

**WHEN** Thursday, September 24, 2009

**WHERE**

Rock Valley College, Woodward Technology Center, Room 142. I-90 to Riverside Blvd., exit and go west to Mulford Rd. Go south to 2nd light, turn east into RVC. Follow road to left to last building on right.

**AGENDA**

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

**PROGRAM**

The focus of the presentation will be renewable energy and the work of the Illinois Renewable Energy Association. Their annual energy fair in August provides an indication of their broad approach to

renewable energy starting with energy efficiency. While technology will play an important role in developing a sustainable economy, lifestyle changes are also essential.

**SPEAKERS**

**Bob and Sonia Vogl** both earned PhDs in Resource Planning and Conservation from the University of Michigan. Bob was on the faculty of NIU for 35 years during which he taught alternative energy, environmental quality, leisure and research. Sonia was on NIU faculty for 22 years during which she taught field ecology, seasonal and prairie ecology, and interpretation. Bob and Sonia are founders and officers of the Friends of the Rock River, officers of the Illinois Renewable Energy Association, and advisors to the Prairie Preservation So-

ciety of Ogle County. They are also coordinators of the Illinois Renewable Energy Fair. They have presented programs on alternative energy and solar electricity in ten countries. They have installed a 3.6 kilowatt grid-connected photovoltaic system and 1kilowatt wind generator which provide 70% of their home electrical power; and have dedicated 35 acres of their 180 acre home farm to conservation programs.

**MEAL INFORMATION**

Dinner will feature Grilled Chicken Breast and a Vegetable Lasagna. The costs are: member: \$5, non-member: \$10, student members: \$2, student non-members: \$5. Please make **dinner reservations** by calling **Ginger at 815-394-5696** or sending her an email ([ginger.spinasanta@hs.utc.com](mailto:ginger.spinasanta@hs.utc.com)) by **Tuesday, September 22, at 5pm**. Please include the following: your name, phone number, email address, IEEE member number, and choice of entree. Unemployed members may call the treasurer for special arrangements.

**NOTE**

The meeting is open to the general public. You need not be an IEEE member to attend. Guests are welcome. Please call Ginger at 815-394-5696 for questions.



**Rock Valley College’s Engineering and Technology Division to Offer More Online and ‘Green’ Courses**

In January 2009 the Electronic Engineering Technology Faculty and Associate Dean met to discuss the idea of offering ‘Green’ related topics in their A.A.S. degree. In addition the decision was made to offer as many hybrid courses as possible, in response to the Strategic Enrollment Management (SEM) Plan at Rock Valley College (RVC). The final report of the SEM Plan indicated a need for Rock Valley College to better serve students in their district by offering more online and hybrid courses and converting three day a week class meetings to two. This would save travel time and fuel costs for students, especially those at the far reaches of the district.

The Electronics Technicians Association (ETA) was so impressed by new RVC \*Sustainability Emphasis in EET that that they are now using that Program Sequence as a national model. The ETA created a Level I Certification for an Alternative Energy Integrator based on RVC’s first year (full time sequence) of study. In addition, a Level II Certification will be available at the completion of the AAS degree. Since Rock Valley College’s Steve Fleeman is an examiner for the ETA, the students may take the Certification Exams at the RVC main campus. Please contact the Engineering and Technology Division at RVC at 815-921-3101.

*\*approval pending*

**May RRV Section Picnic/Elections Recap**

The individuals identified below will take office, or their appointed chair position, beginning 1/1/2010, based upon the election held May 28th during the RRVS annual picnic.

<b>Chair</b>	<b>Alkesh Patel</b>
<b>Vice Chair</b>	<b>Larry Wachowiak</b>
<b>Treasurer</b>	<b>Adrian Vandergrift</b>
<b>Secretary</b>	<b>Mohsin Chowdhury</b>
<b>Computer/Control Systems Chair</b>	<b>Sam Barada</b>
<b>PELS Chapter Chair</b>	<b>Bob Parro</b>
<b>IAS Chapter Chair</b>	<b>Joe Etminan</b>
<b>EMC Chapter Chair</b>	<b>Jamal Shafii</b>



**October RRV Section Meeting Preview — Optimal Design of Ferrite EMC Suppression Components**

Please join us as long time EMI expert Curt White, now retired from Hamilton Sundstrand, presents advice on optimal design of ferrite components. The meeting will be at RVC on Thursday, October 29th.

## 2009 IEEE RRVS Executive Committee



**Alkesh Patel**  
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### Northern Illinois University Student Branch Officers



**Andrew Baker**  
Chair



**Kelly Goode**  
Vice Chair



**Chong Huh**  
Treasurer



**Matt Young**  
Secretary



**Terry Johnson**

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**Richard Gocken**

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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

The Rock River Valley Section gratefully acknowledges the following companies and colleges for supporting Section Officers:

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[Rock Valley College](#) • [River North Solutions](#)



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**RRVS Calendar**

- September RRVS Meeting** ..... **September 24**  
 "Renewable Energy in Illinois", Woodward Technology Center, Rock Valley College, Rockford, IL
- September IEEE Chicago/Rockford Consultants Network Meeting** ..... **September 28**  
 "Real Time embedded Systems" by Andy Mehta, 6:45pm Room 1A, Palatine Public Library, Palatine, IL  
<http://ewh.ieee.org/r4/chicago/cn/>
- October RRVS Meeting** ..... **October 29**  
 "Optimal Design of Ferrite EMC Suppression Components", Rock Valley College, Rockford, IL
- November Joint RRVS and NIU Student Branch Meeting** ..... **November 19**  
 "TBA", NIU Engineering Building, DeKalb, 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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**Thursday, November 5, 2009**

**10 AM – 7:00 PM**

**LOCATION : RVC Campus WTC Building**

**RVC Engineering & Technology Division & IEEE Rock River Valley Section invite you to :**

Learn the latest techniques in Automated Manufacturing, and industry trends for ...

- Electromechanical Drive
- Process Automation
- Automation Services and Solutions

***For more information contact :***

**RVC: Richard Gocken / 815-921-3055 / Joe Etminan 815-921-3058**

**Dan Western / 815-975-0102 / dan.western@us.festo.com**

# Rock Valley College



**Celebrating 125 Years**  
*of Engineering the Future*