

---

---

January 2004

Rock River Valley Section

ieee.flask.com

Event



Sense

The Institute of Electrical and Electronic Engineers, Inc.

---

---

Computer/Control Systems, IAS Chapters Meeting

## High Speed Mobile Data Services and Technology

**When** January 29, 2004

**Where** Rock Valley College, Woodward Technology Center, **Room 141**. I-90 to Riverside Blvd., exit and go west to Mulford Rd. Go south to first 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** Across the world, mobile telephone service providers have been upgrading their radio and switching infrastructure to support high speed mobile data services. As consumers we see this marketed to us with service names like "Sprint Vision" or "Verizon Wireless Express" or "AT&T Wireless mLIFE." This talk gives an overview of the technology, discusses interoperability with Wireless LAN HotSpots, and offers a survey of the applications, focusing on the technical, economic and market challenges that engineers face.

**Speaker Jack Kozik** is Director of the Network Services Architecture Department in the Mo-

bility Solutions Group of Lucent Technologies in Naperville, Illinois. His organization is responsible for planning the evolution of Lucent's Mobile Network Services products. Recent areas of focus include interoperating Cellular network services with IP services and the evolution of prepaid services. He holds three patents in the areas of mobile network security and Internet telephony. Jack received his BS degree in Computer Science ('79) and an MS ('81) in Electrical Engineering, both from Purdue University in West Lafayette, Indiana, USA.

### Meal/Reservations

There will be a chicken and vegetarian selection. Please reserve your space and/or dinner selection by **calling Ginger at 815-394-5696 or sending an email (ginger.spinasanta@hs.utc.com) by Tuesday, Jan 27, at noon**. Please include your name, phone number, email address, IEEE member number and meat or vegetarian selection. The cost of the dinner is **\$5 for members, \$13 for non-members, and \$2 for stu-**

**dents.**

### Note

The meeting is open to the general public. You need not be an IEEE member. Guests are welcome. However, please call Ginger to enable us to make appropriate arrangements.

---

---

---

## Special February Meeting (Don Manzullo) Announcement

The IEEE Rock River Valley Section is honored to be sponsoring a Legislative Discussion with **US Congressman Don Manzullo Wednesday, February 18, 2004**. He will be addressing a number of legislative concerns as well as questions from our chapter. Come and hear what is happening in Congress and ask your questions of the Congressman. Please join us at **Lino's Restaurant** for this event.

The February 18 meeting will be held at Lino's of Rockford and has the following agenda:

- 6:00 pm Social
- 6:30 pm Dinner
- 7:30 pm Presentation
- 8:30 pm Open Q & A session

There are three meal selections, Chicken Parmigiana, Veal Parmigiana and Vegetable Lasagna. Please reserve your space and/or dinner selection by **calling Ginger at 815-394-5696** or sending an email ([ginger.spinasant@hs.utc.com](mailto:ginger.spinasant@hs.utc.com)) **by Friday, February 13, 2004**. Please include your name, phone number, email address, IEEE member number, and dinner selection if applicable. The cost of the dinner is \$5 for IEEE members, \$14 for nonmembers; \$2 for full-time students.

## Regular February Meeting Preview

With the major power outage that affected a large part of the northeastern portion of the US on August 14, 2003, the RRVS Executive Committee felt that it would be of interest to section members to hear additional details on issues that were responsible for the it, as well as what the risk is in the future for a similar event, especially in the Midwest. This meeting is still tentative.

## November Meeting Recap

NIU Professor Don Zinger gave a talk on wind power at the joint RRVS section-NIU student branch meeting held at the NIU Engineering Building annually in November. Don spoke about the environmental benefits of wind power as well as some of the technological hurdles. Don has personally been involved in developing computer models of wind power systems in order to simulate operation to guide design and development activities.

## Keep PACE

**The Professional Activities Committees for Engineers (PACE)** is a grassroots network of IEEE volunteers and committees organized at the section and chapter level in the United States with support from their respective regions and the IEEE-USA. The PACE Network promotes the professional interests of IEEE's U.S. members and provides a mechanism for communication of members' views on their professional needs.

The Rock River Valley Section PACE chair, Paul Hofmann, is coordinating a number of PACE activities in the next couple of months. They include **National Engineers Week** (beginning Feb 23), **US First Robotics Competition** (Jan 10 thru Feb 24) and a dinner **meeting with US Representative Donald Manzullo** (Feb 18) sponsored by our RRVS section.

**Please consider participating at these events.** Contact Paul Hofmann at 815-226-3876, Larry Wachowiak at 815-226-5147 or Neal Clements at 815-226-6182.

## Submissions to *Event Sense*

Send articles and job ads to the *Event Sense* editor, Bob Parro, via e-mail (preferred), or fax. Job ads will run for two consecutive months. Contact the *Event Sense* editor if the ad needs to run longer. Please make submissions by the twenty-fifth of the month. All submissions are subject to editing for style, clarity, and space considerations.

e-mail: [b.parro@ieee.org](mailto:b.parro@ieee.org)  
fax: (443) 339-2606

---

## 2004 IEEE RRVS Executive Committee

**Jitendra Solanki**  
Chair  
j.solanki@ieee.org  
815-394-5675

**Alkesh Patel**  
Vice Chair,  
alkesh.patel@ieee.  
org  
815-394-2487

**Mark Eldredge**  
Secretary  
Mark\_Eldredge@  
ieee.org  
815-633-7400

**Larry Wachowiak**  
Treasurer  
l.wachowiak@ieee.  
org  
815-397-9090

**Chris Wrate**  
Awards Chair  
cwrata@ieee.  
org  
815-394-4905

**Bob Parro**  
Newsletter Editor  
b.parro@ieee.org  
815-877-6670

**Vietson Nguyen**  
IAS Chapter Chair  
vnguyen@ieee.org  
815-394-3230

**Prof. Don Zinger**  
NIU St Br Counselor  
d.zinger@ieee.org  
815-753-0540

**Joe Etminan**  
Educational Activities  
Chair  
joe@ednet.rvc.cc.il.  
us  
815-921-3058

**Neal Clements**  
PELS Chapter  
Chair  
n.clements@  
ieee.org  
815-226-6182

### Northern Illinois University Student Branch Officers

**James Bailey**  
Chair

**Lucky Islam**  
Vice Chair

**Anish Matthew**  
Secretary

**Mohammed Irfan**  
Treasurer

*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 university for supporting Section Officers:**

**Hamilton Sundstrand • Northern Illinois University • BP  
Technologies**

**Paul  
Hofmann**  
PACE Chair  
paul.  
hofmann@hs.  
utc.com  
815-226-3876

**Nolan Wan-  
ner**  
Computer/  
Control Sys  
Chapter Ch.  
n.wanner@  
ieee.org  
815-394-5922

**Adrian  
Vandergrift**  
Gold Chair  
adrian.vandergrift@hs.utc.com  
815-226-2518



**Rock River Valley Section**  
Established 1947

**IEEE Personal E-Mail Alias Service  
with Free Virus Scanning**

The IEEE now offers an **Alias Service** in which all IEEE **members** can register a **personal alias** of their choice, which will forward E-Mail to their real internet e-mail address. Go to:

[elecomm.ieee.org/personal-aliases.shtml](http://elecomm.ieee.org/personal-aliases.shtml)

**Update Your Own IEEE Member Contact Info Online**

[services1.ieee.org/membersvc/coa/intro.htm](http://services1.ieee.org/membersvc/coa/intro.htm)

**Electronic IEEE Membership Application**

[www.ieee.org/join.html](http://www.ieee.org/join.html)

**Calendar**

- January Section Meeting** ..... **January 29**  
High Speed Mobile Data Services and Technology at Rock Valley College
- Special February Meeting with Don Manzullo** ..... **February 18**  
Don Manzullo to Address the RRVS at Lino's
- Regular February Section Meeting** ..... **February 26**  
Electric Power Distribution Infrastructure (tentative) at Rock Valley College
- March Section Meeting** ..... **March 25**  
Tour of local company (tentative)



Non-profit Org.  
U.S. Postage  
**PAID**  
Rockford, IL  
Permit No.496

**Time-Sensitive Material**

*Inside This Issue*

- January Section Meeting Notice ..... 1
- **Special February Meeting with Don Manzullo** ..... 2
- Regular February RRVS Meeting Preview ..... 2
- November RRVS Meeting Recap ..... 2
- Keep PACE ..... 2
- 2004 Officer Contact Information ..... 3
- Calendar ..... 4