
January 2005

Rock River Valley Section

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Event

Sense

The Institute of Electrical and Electronic Engineers, Inc.

RRVS Section and Computer/Control Systems Chapter Meeting

Secure and Dependable Systems

When January 27, 2005

Where Rock Valley College,
Woodward Technology Center, Room 141. 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 Social
6:30 PM Dinner
7:30 PM Presentation

Program

Secure and dependable systems are higher in priority than ever before. Often, the information systems in a shared network are objects for attacks, misuse or other undesirable actions. Such actions are performed to compromise the confidentiality, integrity, or availability of the resource. Secure systems must protect their resources against unauthorized access by enforcing protection control mechanisms such as cryptographic control, authentication and intrusion detection. However, it is not easy to develop

and integrate such security mechanisms to harden the distributed systems to provide information assurance. This talk presents several case studies of recent attacks, explores the security problems with traditional systems, protocols and layered architectures and discusses the integration of confidentiality, integrity and authenticity into cryptographic systems as solutions..

Speaker

Jayantha Herath is a Professor of Computer Science at St. Cloud State University, St. Cloud, MN.

Meal/Reservations

Dinner will feature Roasted Turkey and Vegetable Lasagna entrees. Please make your **dinner reservations by calling Ginger at 815-394-5696 or sending her an email (ginger.spinasanta@hs.utc.com) by Tuesday, January 25, at 5pm.** Please include the following information: your name, phone number, email address, and IEEE member number, and choice of dinner entree. Dinner is \$7 for members, \$5 for student members, \$15 for non-members and \$7 for non-member students. Unemployed members may call one of the officers for special arrangements.

Note

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

IEEE Job Site (www.ieee.org/jobs)

The IEEE Job Site is an online recruitment service that offers all IEEE members exclusive, free access to real time job matching capabilities. You can use your IEEE Web Account to register a job candidate profile in five easy steps:

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IEEE FOUNDATION ANNOUNCES ONLINE GRANT APPLICATION www.ieee.org/foundation

Grant seekers now have a new way to apply for a grant from the IEEE Foundation. Effective January 2005, the IEEE Foundation will only be accepting grant applications and project reports through its new, simple-to-use online forms. As in the past, the IEEE Foundation will consider projects that:

- * Improve education in mathematics, science and technology from pre-university through continuing education;
- * Preserve, study, or promulgate the history of IEEE-associated technologies;
- * Recognize major contributions to these technologies and their applications; or
- * Show promise of making a major contribution to the worldwide communities the IEEE serves or significantly advancing the profession.

To learn more about the IEEE Foundation's grant guidelines, deadline dates and to submit an online application, visit <http://www.ieee.org/foundation>.

Chicago/Rockford IEEE Consultants Network Meeting

The next meeting will be on Monday, **January 31, 2005**. The optional informal dinner is at 6:15 PM at Bakers' Square (270 E. Northwest Highway and North Court), and the meeting at 7:30 PM at the Palatine Public Library (700 North Court, Palatine, IL). **Jeff Gardner**, a technical sales consultant, will make a presentation on "**The Maximum Performance Difference**" emphasizing eight critical success factors that top sales people possess. Please go to <http://www.drblank.com/coaction.htm> for more info.

November RRVs Meeting Recap

Dr. Alex Malozemoff gave an interesting presentation on 'The New Generation of Superconductor Electric Power Equipment' at the annual November joint section/student branch meeting held at Northern Illinois University in DeKalb, IL. Dr. Malozemoff discussed the impact on major grid challenges our society faces today of using high temperature superconducting distribution wires.

February RRVs Meeting Preview

The February RRVs meeting will coincide with the Engineers Week meeting at EIGERlab on Tuesday, February 22, 2005. The presentation will be on the 7E7 Dreamliner technology and capabilities.

New RRVs GOLD Affinity Group Established

Graduates Of The Last Decade is an affinity group that targets college graduates, primarily that have graduated within the last 10 years, for special needs consideration. Special focus is given to this group to increase retention. The 10 year constraint is not firm. Your RRVs GOLD Chair is Mark Eldredge.

Submissions to *Event Sense*

Send articles and job ads to the *Event Sense* editor, Bob Parro, via e-mail (preferred), or fax. Please make submissions by the twenty-fifth of the month. All submissions are subject to editing for style, clarity, and space considerations.

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*Messages for student officers can be left at the NIU Dept of Electrical Engineering,
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The Rock River Valley Section gratefully acknowledges the following companies and university for supporting Section Officers:

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Rock River Valley Section
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Calendar

- January RRVS Section Meeting** **January 27**
"Secure and Dependable Systems" at Rock Valley College, Woodward Technology Center
- February RRVS Section Meeting** **February 22**
"7E7 Dreamliner Technology and Capabilities", Engineers Week at EIGERlab
- March RRVS Section Meeting** **March 31**
TBD
- April RRVS Section Tour** **April 28/30**
Wind Farm near Paw Paw (Presentation and Tour (Presentation on 28th at RVC, Tour on 30th in daylight)



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