

April 2009

Rock River Valley Section

www.ieee.org/rrvs

Event

Sense

The Institute of Electrical and Electronic Engineers, Inc.

Joint RRVS & IEEE Chicago/Rockford Consultants' Network Meeting

System Engineering Tools & Brushless DC Motors

WHEN Thursday, April 30, 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 Presentations

PROGRAMS

There will be two presentations:

- "An Overview of System Engineering Tools including Processes, Methodologies, and good practices". Bob Parro will discuss tools and tool suites, and where concise comparative information can be found on the tools and the supporting processes, methodologies, and good practices. He will also share some of his experience on how to get started in consulting.
- "Brushless DC Motors, and How IEEE Consultants Networks Benefit IEEE Members in Challenging Times". Gary Blank will talk about Funda-

mentals & Control of Brushless DC Motors. Then, what is the current marketplace for consultants? What is an IEEE Consultants Network? How does a Consultants Network help IEEE members and IEEE Sections? Gary will also share some of his experience on how to get started in consulting.

SPEAKERS

Bob Parro, VP Business Development at River North Solutions. His background is in electrical engineering with a focus on tools and processes associated with the product development lifecycle. Bob has experience in automotive, aerospace, and healthcare on both the user and vendor sides of development tools. Bob has a BSEE from the University of Notre Dame and an MS in Engineering from Purdue University.

Gary Blank is an independent engineering consultant in control systems, motor control, power electronics, and power. Dr. Blank currently serves as Member-at-Large on the IEEE-USA Board of Directors, elected by the members of IEEE-USA. He is the National Chair for all the IEEE Consultants Networks (43 in the USA and 7 overseas). He is the founding chairman

of the IEEE Chicago/Rockford Consultants Network. He was also VP of Member Activities on the IEEE-USA Board of Directors. He teaches courses live and on video recordings for those preparing for the Professional Engineering Licensing Examinations. He also does seminars on how to start or expand a successful consulting practice. He is a member of the Rock River Valley Section. Dr. Blank has a BSEE from Illinois of Technology, an MSEE from the University of Idaho, and his Ph.D. in EE from the University of Wisconsin-Madison.

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)** by **Tuesday, April 28, 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.

March RRVS Meeting Recap — Presentation: Engineering Aspects of Electromagnetic Shielding Tour: Ingenium EMC Testing Labs

Dr. Sergiu Radu, Principal Engineer and leads the EMC Design group at Sun Microsystems in Menlo Park, gave an in depth presentation dealing with both the theoretical and practical dimensions of electromagnetic shielding.



May RRV Section Meeting Preview — Section Picnic and 2010 RRVS Officer Elections

Members please join us for a free steak dinner at our annual picnic/elections meeting at Hamilton Sundstrand Park on Thursday, May 28th.



RRVS NIU Student Branch Social Networking

When: **Friday, April 24th**

Venu : **Eduardo's 214 E Lincoln Hwy, DeKalb**

Events : **Arrival and Social - 6 PM**
Dinner - 7 PM
Presentations - 8 PM

Entry : **Professional Members, Staff, GOLD - Free**
Student Members - \$5.00
Student Non Members - \$15.00
Non-Member Guest - \$15.00

RSVP : **Dr Donald Zinger**
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Questions : **Abdul Rahman Mohammed**
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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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RRVS Calendar

- April RRVS NIU Student Branch Social Networking April 24**
6:00pm, Eduardo's, 214 E. Lincoln Hwy, DeKalb, IL
- April IEEE Chicago/RRVS Consultants Network Meeting April 30**
Woodward Technology Center, Rock Valley College, Rockford, IL
- May RRVS Section Picnic/2010 Officer Elections May 28**
Hamilton Sundstrand Park, Belvidere, 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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