
February 1996

Rock River Valley Section

Established 1947

Event



Sense

The Institute of Electrical and Electronic Engineers, Inc.

RRV Section Meeting

World Wide Web Page Technology And Your Business

When Thursday, February 29, 1996

Where Rock Valley College, Technology Center, Rooms 117/119. Enter from Mulford, just north of Springbrook Rd.

Agenda 6:00 PM Social Hour/Tours
6:30 PM Dinner - Buffet
7:30 PM Presentation

Speaker G. Jeffrey Arnst, Partner and Founder of Intranet Architects

Program The explosive growth of the Internet and the World Wide

...the latest web technologies such as Java and Virtual Reality Markup Language

Web has enabled the unprecedented exchange of information between people, computers and businesses throughout the world. This presentation will focus on effective use of internal Web pages in a business. Coverage will include the latest web technologies such as Java and VRML, and insight behind what makes a good web page and a poor one. We will review:

- different options/tools for setting up your web page
- what/when to do it yourself - or hire a WWW service firm
- what works and what doesn't (what is good design practice on the WWW)
- different search tools that are available
- interaction with company databases
- integrating different kinds of data/information
- organizing and storing your content

Biography G. Jeffrey Arnst has been working in the computer industry for over twenty years. Mr. Arnst has been a frequent speaker at industry events, and is considered an expert on the use of technology in the design process. Mr. Arnst is currently a partner and founder of Intranet Architects. Mr. Arnst works with companies to make effective use of the latest Internet technology, especially using the World Wide Web, for improving the flow of information within a company. Before this Mr. Arnst was at Sun Microsystems for 8 years in market development for technical markets. He has also worked for Summagraphics and A. D. Little.

Mr. Arnst holds a BSME degree and has done research and graduate work at Cornell University and the University of Colorado. Mr. Arnst is currently on the review boards for the SME Education Foundation and the NSF Engineering Education Coalitions, and is the Industry Chair for ASEE (American Society of Engineering Education), Mr. Arnst is listed in Who's Who and has also published several articles and writes a monthly column on the use of computers by design professionals.

Door Prizes Sponsored by RRVS and Best Buy

Meal Dinner will be buffet style (with a minimum of 15 people) featuring Chicken and Ham or Roast Beef. Please make your **dinner reservations** by calling **Gloria** at **815-226-5247** by **Monday, February 26**. The cost of the dinner is **\$4.00** for **IEEE members** and **\$10.00** for **non-members**. Unemployed members may call one of the officers for special arrangements.

Note The meeting is open to the general public and the presentation portion is free. You need not be an IEEE member. However, please call to enable us to make proper arrangements.

January Meeting Recap

by Mark Harris

The RRVS IAS chapter



membership has always shown a great deal of interest in adjustable speed drives and power electronics. So for the January RRVS IAS chapter meeting it was very gratifying to get an excellent turnout for our speaker "Dr. Gordon Slemon", Industry Applications Society Distinguished Lecturer. Dr Slemon came to speak to us about his vision of the future for motors used in variable speed drives.

Dr. Slemon is Professor Emeritus of Electrical and Computer Engineering for the University of Toronto and has a long and distinguished career spanning 50 years. This was emphasized by one of our section member's obtaining Dr. Slemon's autograph

for an engineering course textbook written by Dr. Slemon over 30 years ago. Dr. Slemon with relaxed and easy style discussed the pros and cons of the most popular motors frequently used in industrial applications. He made a number of

...the PM motor will succeed the induction motor as the motor of choice for the future

observations and paid particular attention to the influence of environmental and energy factors on the acquisition and ownership costs of various motor types. He noted that low energy costs at present inhibit the application of high efficiency drives as widely as would be expected. However, he did make the prediction that as electronic drives gain greater acceptance for more applications, the permanent magnet motor would succeed the induction motor as the motor of choice for the future.

March Meeting Preview

The topic is "Software Specification and Design: A Disciplined Approach for Real-Time Systems", by Ken Shumate who is a senior software engineering manager at Hughes Aircraft Company. Ken will focus on Ada-specific issues for a portion of his presentation, but will discuss non-Ada-specific issues as well. Ken will present an overview of a set of methods and techniques for the specification of software and its top-level design; there is special emphasis on the issue of transition from the specification to the design. The presentation is equally suitable for software and for systems engineering audiences.

In Search of RRVS Memorabilia

In March of 1997 your Rock River Valley Section will celebrate its golden jubilee - fifty years as a section. Help us commemorate this momentous occasion by sharing your memories with us. If you are aware of significant events such as seminars, conferences or awards sponsored by our section or honors given to members or have photographs, newsletters, and /or historical information please share them with us. **Contact Larry Wachowiak at 394-5676, fax at 394-2497, or e-mail at l.wachowiak@ieee.org.** We plan to share these items with all of our

Members -- Use the IEEE Professional Assistance Network

We offer unemployed members an opportunity to run a *free* position wanted ad in the *Event Sense*. Write your own ad and e-mail or FAX it to the *Event Sense* editor. Your ad will appear in the next available issue. Job ad guidelines: RRVS members only; less than 60 words; typed.

Reminder -- Just The FAX

Have the *Event Sense* faxed to you for early, efficient delivery. Send your fax number, along with appropriate routing information, to the *Event Sense* editor.

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

New IAS Chapter Chair

by Hassan Mansir

In the January RRVS Executive Committee meeting, Dr Hassan Mansir was appointed to chair the RRVS IAS chapter. He will replace Mark Harris who chaired the chapter for the last two years and who is currently chairing the IAS Chapters Development Committee. Dr H. Mansir is a principal engineer at Sundstrand Aerospace in Rockford, where he is involved in the area of design, analysis and fabrication of a variety of electrical machines and devices.

The RRVS IAS chapter is 20 members strong, with members from a variety of industries in the Rockford area. The main objective of the new chair is to maintain the excellent track record that the chapter has compiled under the previous leaders. Dr H. Mansir will continue the tradition of selecting speakers and topics which have a wide appeal to the membership.

New Joint Computer/Control Systems (C/CS) Society Chapter Chair

by Paul Peterson

Greetings section members. As the newly

appointed chair of the RRVS Computer/Control Systems Society Chapter I'd like to take a moment to give you a brief background about myself as well as some ideas on how this new section chapter plans to serve its members in the new year.

I presently work in the Electronic Systems Engineering-Software group at Sundstrand Aerospace, Rockford Illinois. I received my BSEE from the University of Wisconsin-Milwaukee in 1994. I have served on the RRVS Executive Committee since January, 1995, as Awards Chair and have also helped establish the section on the World Wide Web though the creation of our home page.

Our new chapter was formed in June, 1995 in order to better serve the interest of roughly 25% of our section's membership. February's meeting will include a presentation by Mr. Jeff Arnst on *WWW Page Technology And Your Business*. March's meeting will include a presentation on *Software Specification & Design: A Disciplined Approach for Real-Time Systems* by Mr. Ken Shumate - Computer Society Distinguished Speaker.

In addition to the benefits of the focus of some of our monthly meetings, membership in the

Computer or Control Systems societies provides its members with the resources and information necessary to stay on top of new technologies and provide a means for assisting in career growth. Society memberships also give members advance information on conferences, reduced rates on technical publications and the opportunity to gain nationwide recognition for your efforts.

All of this sounds wonderful, but to make an analogy out of our chapter, we need a 'closed loop' system - one that will take your inputs, extract as much information as we can out of them, provide you with new information, and wait for more feedback. I would like to hear what you think would push this society to the next level. Send me your comments, give me a call. E-mail us, fax us, check out our Section's and the the Institute's Web Pages. Reach me any way you want: paul.peterson@ieee.org, <http://www.ceet.niu.edu/orgs/rr-ieee/rrvs.htm>, or from the contact information below.

I look forward to the challenges of this new chair position and hope to lead this joint society chapter in a direction that will make it a valuable resource for the section.

The Rock River Valley Section would like to give recognition to the following area companies and university for supporting Section Officers:

Sundstrand Corporation • 3C Computer Systems • William Barber & Associates • Northern Illinois

Rock River Valley Section of the IEEE 1995-1996

[WWW: <http://www.ceet.niu.edu/orgs/rr-ieee/rrvs.htm>]

Elected Executive Committee

Chair	Bob Parro	b.parro@ieee.org	(815) 394-2947
Past Chair	Caio Ferreira	c.ferreira@ieee.org	(815) 394-2903
Vice Chair	Bill Barber	b.barber@ieee.org	(815) 235-4110
Secretary	Mark Harris	m.harris@ieee.org	(815) 226-6098
Treasurer	Larry Wachowiak	l.wachowiak@ieee.org	(815) 394-5676

Appointed Executive Committee Chairs

IAS Chapter Chair	Hassan Mansir	aaehem@snds.com	(815) 226-6875
IAS Vice Chair	open		
Comp/CS Chapter Chair	Paul Peterson	paul.peterson@ieee.org	(815) 394-2584
Comp/CS Vice-Chair	open		
Educational Activities	Roger Caruana	r.caruana@ieee.org	(815) 332-4606
Technical Activities	Roger Caruana	r.caruana@ieee.org	(815) 332-4606
Membership	Bill Barber	b.barber@ieee.org	(815) 235-4110
Awards	Paul Peterson	paul.peterson@ieee.org	(815) 394-2584
Publicity, Newsletter Editor	Bob Parro	b.parro@ieee.org	(815) 394-2947
RRVS Jubilee	Larry Wachowiak	l.wachowiak@ieee.org	(815) 394-5676

Northern Illinois University - Student Branch Officers

St Br Counselor	Prof. Don Zinger	d.zinger@ieee.org	(815) 753-0540
St Br President	Mike Park		
St Br Vice President	Todd Placher		
St Br Secretary	Mel Saldeen		
St Br Treasurer	Bob Selepa		

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



Rock River Valley Sectio
Established 1947

February Section Meeting **Febru-
ary 29**

World Wide Web Page Technology And Your Business

March Section Meeting

March 28

Software Specification and Design: A Disciplined Approach for Real-Time Systems

April Section Meeting

April 25

TBD Tour

May Section Meeting



Joint Computer/Control Systems
Society Chapter



Industrial Applications
Society Chapter

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

Time-Sensitive

Inside This Issue

- February Section Meeting Notice	1
- January Section Meeting Recap	2
- March Section Meeting Preview	2
- In Search of RRVs Memorabilia	2
- New IAS Chapter Chair	3
- New Computer/Control Systems Chapter Chair ...	3
- RRVs Officer Contact Information	3
- Calendar	4