
September 1998

Rock River Valley Section
www.ieee.org/regional/section/rock_river/

Event



Sense

The Institute of Electrical and Electronic Engineers, Inc.

RRV Section & Joint Computer/Controls Systems Chapter Meeting

PCM Modem Technology

When September 29, 1998

Note this is a Tuesday

Where Rock Valley College, Technology Center, Room 117. 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.

Agenda 6:00 PM Social Time
6:30 PM Dinner
7:30 PM Program

Program The evolution of the public switched telephone network from an analog transmission medium to one that is implemented almost universally through Pulse Code Modulation (PCM) has offered an opportunity to exploit this transmission medium to maximize data transmission rates utilizing voiceband modems.

This talk will focus on a brief overview of voiceband modem technology, PSTN network transmission, and the opportunity offered through the combination of digital networks,

large digitally terminated centralized modem pools and the demand for high bandwidth data transmission due to inter-net use. The talk will discuss the basic technology of PCM modems, early non-ITU compliant products, and the evolution of the V.90 standard. A brief discussion on potential future directions of voiceband data transmission will conclude the talk.

Speaker Shao-Han Chou is a Member of Technical Staff at Lucent Technologies in Middletown, NJ. He obtained his BSEE and MSEE from Brooklyn Polytechnic Institute in 1990 and 1997, respectively. He began his career at AT&T in 1990, where he has been involved in development of modem signal processing systems for V.32, V.32bis, Group III FAX, V.34, K56Flex and V.90 on various AT&T & Lucent DSP platforms. He is currently leading development of DSP firmware for Remote Access Server chip-sets at Lucent Microelectronics Group.

Mr. Chou lives in Marlboro, NJ, with his wife and two young children.

Reservations Please make your reservations by calling **Gloria at 815-226-5247 by Friday, September 25, (please include your e-mail address in the information you provide Gloria - thanks).**

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.

**All Day IEEE DSP Seminar To
Be Held In October in
Rockford**

Your Rock River Valley Section is the host section for a four section sponsored all day DSP Seminar to be held at the ClockTower Resort and Convention Center on Thursday, October 29, 1998. The other sponsoring IEEE sections are Chicago, Milwaukee and Madison. This event will take the place of our regularly scheduled monthly meeting for October. Please pass the word around the office and to your colleagues outside the office.

The single page brochure included with this newsletter has a lot of details regarding the seminar and contains the DSP Seminar's website where much more information can be obtained. We are expecting between 100 and 200 people interested in signal processing to attend.

Please consider joining us.

**IEEE National Consultants Conference to be Hosted by the
Chicago/Rockford Consultants
Network**

When: Sat October 17, 1998
8:30am-4:00pm

Where: Chicago Marriott-
Schaumburg on 50 N. Mar
tingale Rd.

Cost: \$65/75 IEEE Mbr/Nonmbr

Contact: Dr. Gary L. Blank, 847-
464-4081 or
garbon@ix.netcom.com

**May Elections/Picnic Meeting
Recap**

Not surprisingly, there were no surprises in the elections held in May. Bob Parro, Larry Wachowiak and Matt Zimmer were re-elected to section chair, treasurer and secretary, respectively.

As usual the steaks, fruit, veggies, cookies and beverages were outstanding and best of all the price was right. Below are some pictures taken from the picnic.

**October All Day IEEE DSP
Seminar Preview**

The regular October RRVS meeting is being usurped by the IEEE DSP Seminar to be held at the ClockTower Resort and Convention Center in Rockford. The surrounding three IEEE sections are co-sponsoring this event with the RRVS. The seminar content is very strong and will be quite appealing to engineers involved in most any aspect of signal processing and related areas.

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
fax: (815) 394-2497

RRVS Executive Committee

(l-r) **standing:** Larry Wachowiak, Treasurer; Hassan Mansir, IAS Chapter Chair; Don Zinger, NIU Student Branch Counselor; Matt Zimmer, Secretary and IAS Chapter Vice Chair; Roger Caruana, Education and Technical Activities Chair; **seated:** Caio Ferreira, Past Section Chair and current IAS Chapters' Department Chair, Bob Parro, Section Chair; Bill Barber, Section Vice Chair and Membership Chair; Jim Buerosse, PELS Chapter Chair; Paul Peterson, Joint Computer/Control Systems Chapter Chair and Awards Chair

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

Sundstrand Corporation • William Barber & Associates • Northern Illinois University

Rock River Valley Section of the IEEE 1998-1999

[WWW: www.ieee.org/regional/section/rock_river/]

Elected Executive Committee

Chair	Bob Parro	b.parro@ieee.org	(815) 394-2947
Vice-Chair	vacant		
Secretary	Matt Zimmer	m.zimmer@ieee.org	(815) 394-3456
Treasurer	Larry Wachowiak	l.wachowiak@ieee.org	(815) 394-5676

Appointed Executive Committee Chairs

IAS Chapter Chair	Hassan Mansir	hmansir@snds.com	(815) 226-6875
IAS Chptr. Vice Chair	Matt Zimmer	m.zimmer@ieee.org	(815) 394-3456
Comp/CS Chapter Chair	Paul Peterson	paul.peterson@ieee.org	(815) 226-2584
PELS Chapter Chair	Jim Buerosse	j.buerosse@ieee.org	(815) 226-6078
Educational Activities	vacant		
Technical Activities	vacant		
Membership	Bill Barber	b.barber@ieee.org	(815) 235-4110
Awards	Paul Peterson	paul.peterson@ieee.org	(815) 226-2584
Publicity, Newsletter Editor	Bob Parro	b.parro@ieee.org	(815) 394-2947
Nominations	vacant		

Northern Illinois University - Student Branch Officers

St Br Counselor	Prof. Don Zinger	d.zinger@ieee.org	(815) 753-0540
St Br Chair	Jamie Phillips		
St Br Vice-Chair	Michelle Marotta		
St Br Secretary	Rob Reeder		
St Br Treasurer	Vince Adams		

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

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www.ieee.org/join.html

Calendar

- September Section Meeting** **Tuesday, Sep 29**
PCM Modem Technology, Lucent
- October All-Day IEEE DSP Seminar** **Oct 29**
4 Parallel Tracks, many topics and speakers - visit www.dspseminar.org for more details
- November Joint Section/Student Branch Meeting** **Nov 19**
TBD to be held at NIU in DeKalb

Time-Sensitive

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