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March 2002

Rock River Valley Section

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Event



Sense

The Institute of Electrical and Electronic Engineers, Inc.

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Computer/Control Systems, PELS, IAS Chapters Meeting

## Hamilton Sundstrand Tour

### When

Wednesday, March 27, 2002

### Where

Hamilton Sundstrand, Plant 6, 4747 Harrison Ave, Rockford. Go to the guard office at the top of the ramp near the northwest corner of Plant 6 (the one at the corner of Harrison and Alpine).

### Agenda

6:15 PM Tour Begins  
8:30 PM Tour Ends

### Tour

Hamilton Sundstrand is a global corporation with a variety of business units that design, manufacture and support aerospace and industrial products for worldwide markets. The company's aerospace business, The Aerospace Power Company, provides electric power generating, distribution, management and control systems. Some of the control systems are; fuel and special fluid pumps; engine control systems; gearboxes; primary and secondary flight controls and actuation systems; ram air turbine emergency systems; auxiliary power units; environmental control systems; propeller

systems; torpedo propulsion systems; launch vehicle hydraulic power units; and electronic controls and components.

The aerospace products serve the commercial, military, regional and general aviation markets, as well as the space and undersea markets. After-market services include spare parts, overhaul and repair and engineering and technical support. Industrial products serve the general industry, hydrocarbon, power generation, construction, mining, chemical, water and waste treatment, wood and paper and agribusiness markets.

The tour of Hamilton Sundstrand will be of its Rockford location. On the tour you will see both the mechanical and electrical side of the business. The tour will show aspects of the product design, build, test, and qualification, and how after-market products are overhauled and repaired.

### Meal/Reservations

There will be NO formal meal associated with this meeting.

However, please reserve your space on the tour by **calling Ginger at 815-394-5696 or sending her an email (ginger.spinasant@hs.utc.com) by Monday, Mar 25, at noon.** Please include the following information: your name, phone number, email address, IEEE member number, and **citizenship.**

### 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.

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**All Electronic Delivery of the RRV5 Newsletter**

The RRV5 Newsletter is now being made available online. Members who would like to have a copy emailed to them, please send an email request to b.parro@ieee.org. Email notification of availability of the newsletter at the section website (see page 1, upper right corner) will be sent to all members with whom we have a valid email address on file. Please check for a valid email address with your registration information with IEEE National—see page 4 on how to view your information online.

**Chicago/Rockford IEEE Consultants Network Meeting**

The next meeting will be on Monday, March 25, 2002. 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 847-358-1216).

This month there will be an open discussion on "Time to Fly Solo?" based on the article by Dr. Stuart G. Welsh in the Summer 2001 edition of The Bent of Tau Beta Pi.

Members and non-members are invited to both the meeting and the optional dinner.

Information about the network can be obtained by e-mail: g.l.blank@ieee.org and at our web site <http://www.drblank.com/coaction.htm>.

**February Meeting Recap**

Dick McClung, long time pilot and builder of airplanes spoke to a joint IEEE/ASME sections audience at Lino's. Dick had a lot of interesting historical facts and anecdotal information that made for an enjoyable meeting with our friends from ASME. Thanks Dick.

Chair

Vice Chair

Treasurer

Secretary

Computer/Control Systems Chair

PELS Chair

IAS Chair

No picture available

Jitendra Solanki

Alkesh Patel

Larry Wachowiak

Chris Wrate

Bob Parro

Neal Clements

Vietson Nguyen

**RRVS 2003 Section Officer Nominations**

In accordance with the RRV5 bylaws, the Nominations Committee has submitted the names of the following individuals (pictured at left) as nominees for the four elected positions on the RRV5 Executive Committee for 2003. The election will be held at the May 30 section meeting. This election is for the calendar year 2003.

- |                   |                         |
|-------------------|-------------------------|
| <b>Chair</b>      | <b>Jitendra Solanki</b> |
| <b>Vice Chair</b> | <b>Alkesh Patel</b>     |
| <b>Treasurer</b>  | <b>Larry Wachowiak</b>  |
| <b>Secretary</b>  | <b>Chris Wrate</b>      |
| <b>Comp/CS</b>    | <b>Bob Parro</b>        |
| <b>PELS</b>       | <b>Neal Clements</b>    |
| <b>IAS</b>        | <b>Vietson Nguyen</b>   |

Additional nominees can be submitted by petition from the section membership. A potential nominee must be an IEEE member in good standing and a member of the RRV5. A petition must be signed by at least 20 RRV5 members. Deadline for petitions is April 15. Please submit petitions to Bob Parro (see contact info on page 3)

**April Meeting Preview**

Our old friend Caio Ferreira, former RRV5 Section Chair for 6 years, will be presenting 'More Electric Aircraft Advanced Motor Drive', in his capacity as an Industry Application Society Distinguished Speaker. Please join us in a reunion with Caio.

**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) 425-6919

## **2002 IEEE RRVS Executive Committee**

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### **Northern Illinois University Student Branch Officers**

Shireen Allauddin  
Chair

Rafael Bombino  
Vice Chair

Ami Patel  
Secretary

Chris Meyer  
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 • Telelogic***



**Rock River Valley Section**  
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**Calendar**

- March Section Meeting** ..... **WEDNESDAY, March 27**  
Tour of Hamilton Sundstrand in Rockford
- April Section Meeting** ..... **April 18**  
Caio Ferreira will speak about advanced motor drives used in the More Electric Aircraft
- May Section Picnic/Elections** ..... **May 30**  
Hamilton Sundstrand Park



Joint Computer/  
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Society Chapter  
Established 1995



Industry  
Applications  
Society Chapter  
Established 1992



Power  
Electronics  
Society  
Chapter  
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