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April 2005

Rock River Valley Section

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Event

Sense

The Institute of Electrical and Electronic Engineers, Inc.

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RRVS Section and IAS Chapter Meeting

## Mendota Hills Wind Farm Tour - Families Welcome



having a total power generation above 200 MW, and the first Gamesa wind farm in the US. He has also broad experience in electrical substations engineering and construction (from 45 kV to 220 kV).

Before joining Gamesa, Mr. Calvo was project engineer for mining handling facilities design for Spain, and storage cranes for nuclear power stations in England working for 'Strachan & Henshaw', BNFL & ABB.

Gamesa Energy appointed him as Director of Construction for Navitas Energy Inc. to manage engineering, construction and standardization methods of this company in the United States.

**When** Saturday, April 30, 2005

**Where** The technical presentation will be at Rock Valley College's Stenstrom Center (near Jefferson High School). The tour will be afterwards at the Mendota Hills Wind Farm: Take I-39 south. Take Exit 82 Paw Paw. Turn right onto Chicago Rd. Go to 1st gravel road, Bingham, turn right (north). 1st farmhouse on right. Park on grass.

### Agenda

10:30 AM	Networking
11:00 AM	Presentation
12:00 PM	Lunch @ RVC
2:00 PM	Tour

### Program

There are 63 Gamesa Energia wind turbines with a total capacity of 50.4 megawatts, which can power 15,000 homes a year, in the Mendota Hills Wind Farm. Renewable

energy projects like wind farms are a win-win for Illinois because they add jobs, extra revenue for landowners, and clean energy for the environment. The wind farm at Mendota Hills provides 39 farmers with annual payments of \$3-5K for each wind turbine on their property.

### Speaker

**Jose Calvo**, Director of construction of Navitas Energy, has a Bachelor of Industrial Engineering from Zaragoza University in Spain, and has completed graduate work in power electronics. Prior to Mr. Calvo's involvement with Navitas Energy Inc he was responsible for wind farm engineering and construction at Gamesa Energy wind projects in North East Spain. He has been directly involved in the development, engineering and construction of more than five wind farms,

### Meal

Lunch attendees can choose from chicken or a vegetarian sandwiches. Please reserve **your space on the tour and/or lunch** selection by **calling Ginger at 815-394-5696 or sending an email (ginger.spinasanta@hs.utc.com) by Wednesday, April 27, at noon.** Please include your name, phone number, email address, IEEE member number and entrée selection. The cost of the dinner is **\$6 for members, \$3 for members' children, \$9 for non-members, \$6 for non-members' children, and \$3 for students.**

### Note

The meeting/tour is open to the general public **12 years of age and older.** You need not be an IEEE member. Guests are welcome. However, please call Ginger for reservations for the tour and/or lunch.

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**2006 RRVS Section Officer Nominations**

In accordance with the RRVS bylaws, the Nominations Committee has submitted the names of the following individuals (pictured at right) as nominees for the seven elected positions on the RRVS Executive Committee for 2005. The election will be held at the May 26 section meeting. This election is for offices to be held from January 1 thru December 31, 2006.

- Chair** Jitendra Solanki
- Vice Chair** Alkesh Patel
- Treasurer** Larry Wachowiak
- Secretary** Nolan Wanner
- Comp/CS** Byron Mehl
- PELS** Neal Clements
- IAS** Vietson Nguyen

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 RRVS. A petition must be signed by at least 20 RRVS members. Deadline for petitions is May 15. Please submit petitions to Jitendra Solanki (see contact info on page 3).

**May Election/Picnic Preview**



Please join us at Hamilton Sundstrand Park for our annual RRVS Officer Elections and Picnic. The food will be free for all members.

Chair



Jitendra Solanki

Vice Chair



Alkesh Patel

Treasurer



Larry Wachowiak

Secretary



Nolan Wanner

Computer/Control Systems Chair



Byron Mehl

PELS Chair



Neal Clements

IAS Chair



Vietson Nguyen

**March Meeting Recap**

Walter Czerniak, Associate Vice President of Information Technology, and Herb Kuryliw, Chief Network Architect, from Northern Illinois University provided a presentation on NIUNET, a 1 GB/second fiber-optic ring that is being developed to connect NIU with other academic and research facilities in Northern Illinois as well as to global high speed communications networks through connections in Chicago.

NIUNET will connect the NIU campus in DeKalb with Fermilab in Batavia, NIU Naperville, Argonne National Labs, NIU Hoffman Estates, NIU Rockford, Eigerlab, the Renewable Energy Park in Belvidere, as well as other facilities. It will utilize fiber-optic cables now in place along the I-88 and I-90 toll roads as well as a planned cable to follow I-39 between Rockford and Rochelle. By using Dense Wavelength Division Multiplexing to multiplex signals through the cable by color it could offer a bandwidth as high as 1.32 Terabits per Second.

The presentation was followed by an extensive group discussion of the technology and its potential for research and education.

**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](mailto:b.parro@ieee.org)

# 2005 IEEE RRVS Executive Committee



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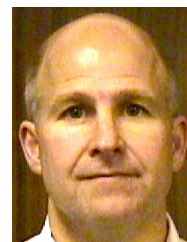
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## Northern Illinois University Student Branch Officers



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Chair



**Kashif Mehdi**  
Vice Chair



**Sunil Prathi**  
Secretary



**Sree Ram**  
Treasurer

*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:**

**Hamilton Sundstrand • Northern Illinois University • BP Technologies**



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**Calendar**

- April RRVS Section Tour ..... April 30**  
Wind Farm (Technical Presentation at RVC Stenstrom Center, Tour off I-39 near Paw Paw)
- May RRVS Section Elections/Picnic ..... May 26**  
At Hamilton Sundstrand Park



Joint Computer/  
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Society Chapter  
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Society Chapter  
Established 1992



Power  
Electronics  
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