From: "Grace Giras" <Grace_Giras@sperry-marine.com>
Date: 2003/03/28 Fri PM 02:24:18 EST
To: <d.greer@ieee.org>, <w.clayton@ieee.org>
Subject: Central VA Information

2003 Central VA Section Meetings

Central VA Section participated in Engineers' Week Celebration in February. The speaker presented a slide show on the Three Gorges Dam project in China.

Below is the email announcement for The Section's next meeting:
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The April meeting of the IEEE Central VA Section will be a tour of the National Radio Astronomy Observatory (NRAO) Central Development Laboratory - Guests are welcome!

When: April 3, 2003
Time: 7:00 PM
Where: 2015 Ivy Road near intersection with Emmet Street between the Cavalier Inn and 7/11. There is no sign saying NRAO. The CDL is also called the Electronics Division.
Maps: http://ewh.ieee.org/r3/central_virginia/#nextmeeting or http://www.nrao.edu/about/maps/cv4.png
Additional Information: See the April Newsletter (The link to the PDF version is at http://ewh.ieee.org/r3/central_virginia/html/newsletters.html

The National Radio Astronomy Observatory (NRAO) is one of the world's premier research facilities for radio astronomy. NRAO operates powerful, advanced radio telescopes spanning the western hemisphere. Scientists from around the world use these instruments to probe fundamental questions in astronomy and physics.

NRAO's Central Development Laboratory (CDL) is responsible for many advanced NRAO project developments. In addition, the CDL produces components for NRAO systems to support observational radio astronomy. Some of these components, such as amplifiers and mixers, are unique designs featuring cryogenic operation.

Current CDL focus is concentrated on ALMA -- the Atacama Large Millimeter Array. The lab's primary areas of activity include:

- HFET amplifiers for frequencies from <75 MHz to 116 GHz
- SIS mixers for frequencies from 68 GHz to 300 GHz
- LO Multipliers for generating local oscillator power
- Electromagnetic components such as feeds and polarizers
- Digital Spectrometers

See you there!

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