



**IEEE Southeastern Michigan Section  
Fall Section Conference & Dinner  
Thursday, Nov 2, 2006 5pm – 9pm  
Fairlane Center, University of Michigan – Dearborn**

**Keynote Speaker**

**"The Green Bank Telescope"**



**John Ford**

Electronics Engineering Division Manager  
National Radio Astronomy Observatory (NRAO), Green Bank, West Virginia

**Abstract:**

The Robert C. Byrd Green Bank Telescope (GBT) is a 100 meter diameter radio telescope located in Green Bank, WV. It is the largest fully steerable radio telescope in the world. In this presentation, John will discuss the optical and mechanical performance of the telescope, sensitivity of its instrumentation, and challenges to its operation. The GBT is on the web at <http://www.gb.nrao.edu>.



**Biography:**

John has been working at the National Radio Astronomy Observatory since 1995, first in the role of Monitor and Control System engineer, and lately as Electronics Division Head. Currently on sabbatical from the Division Head position, John is Project Engineer for the GBT Precision Telescope Control System, which will allow the GBT to observe frequencies as high as 115 GHz. John holds the MSEE degree from the University of Memphis, Memphis, Tennessee.

**Evening Schedule:**

- 4:30pm – 5:00pm Registration and Check-In
- 5:00pm – 5:45pm First half technical sessions, seven parallel sessions
- 5:45pm – 6:00pm Vendor exhibition and networking
- 6:00pm – 6:45pm Second half technical sessions, seven parallel sessions
- 6:45pm – 7:15pm Vendor exhibition and networking
- 7:15pm – 8:00pm Buffet Dinner from Park Place Catering
- 7:30pm – 8:00pm Awards program during dinner
- 8:00pm – 9:00pm Keynote speaker

You get your choice of two (2) of the fourteen technical session, plus networking, vendor showcases, dinner and the keynote speaker.

Registration will be online beginning in October. See <http://www.ieee-sem.org>: \$25 for IEEE Members (including members of other ESD Affiliate Council Societies), \$30 non-members, \$10 students/retirees/unemployed. Early registration begins in October. Dinner seating is limited to the first 120 registrants. Location is: 19000 Hubbard Drive, Dearborn, Fairlane Center Building, University of Michigan – Dearborn. Contact: Mark Ciechanowski, P.E. ([mark.ciechanowski@ieee.org](mailto:mark.ciechanowski@ieee.org)) Section Chair, or Prof. Chris Mi ([mi@ieee.org](mailto:mi@ieee.org)), Conference Chair.

This event is put on as a technical and professional service to the local IEEE members – this is not a "fundraiser".