

IEEE BUENAVENTURA SECTION
Aerospace & Electronics Systems Chapter
&
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NASA's Remote Sensing Radar Missions for Earth Science

Date: Wednesday, Sept 21st , 2011

Time: 6:30 pm Refreshments and Networking,
7:00 pm Talk

Venue: Vitesse Semiconductor Corp.
741 Calle Plano,
Camarillo, CA 93012

Scientists have been studying Atmospheric and solid Earth processes for decades. These studies have been based on the data available from the airborne and ground sensors. In order to create global models of the Earth processes science data at a global scale is required. Most efficient and comprehensive data at global scale can only be acquired from space via Earth orbiting satellites. NASA is in the process of deploying several Earth orbiting satellites with remote sensing Radar instruments. These satellites will map the Earth's processes at relatively short time scales. This will allow scientists to model and study Earth's Atmospheric and solid processes.

In this talk a high level overview of NASA's current and planned Remote Sensing Radar missions will be provided. Detailed topics will be discussed based on the interest of the audience.

Please RSVP to Sunil Pai (paisunils@ieee.org) if you wish to attend this meeting.

Speaker: Momin Quddus, Jet Propulsion Laboratory

Momin Quddus works at Jet Propulsion Laboratory where he is involved in the development of a Radar instrument for a current mission. He is also involved in the formulation of a future remote sensing radar mission. Prior to JPL, Momin designed and developed Satellite receiver for Direct Broadcasting system. He also designed CDMA and TDMA mobile phones at Motorola and NEC. Prior to that, he worked for an avionics equipment manufacturer where he designed antennas and subsystems for Military and commercial aircrafts. Momin received his MSEE degree from FAU and BSEE degree from University of Texas. He received his PE certification in the State of Florida. Momin has a patent on an antenna design for wireless devices. He serves as an Officer in MTTS Chapter and IEEE Buena Ventura Section.

Momin enjoys playing field hockey, tennis and soccer. He coaches youth soccer, basketball and track & field teams.