

Summer workshop @ CEN on Software Defined Radio and USRP Toolkit

Probable Date: June 2 to 7 , 2011

Topics :-

- What is Software Defined Radio ?
- SDR Applications
- The GNU Radio Project
- Downloading and Installing the GNU Radio
- Universal Software Radio Peripheral (USRP)
- Bandwidth and Sample Rate Considerations
- FPGA and Generic A/Ds Interface
- USRP Daughter Boards
- Getting Started with Simple Analog Signals
- Spectrum Analyzer
- GSM, 802.11, ZigBee, OFDM, HD Radio, TV
- Hands on Experiments
 - Capturing Satellite images using USRP Tool kit
 - Capturing GSM Data
 - Virtual Laboratory Experiments