

HPRFM 2013 Schedule

Day – 1 : 4th September 2013

09:00 – 9:30	Registration
Session – 1/1 (09:30 – 11:30)	
09:30 – 09:40	Welcome Address
09:40 – 10:00	Key Note Address
10:00 – 10:30	Invited Talk – Indigenous Design & Development of High Power Microwave Tubes at CEERI - Dr. Vishnu Srivastava (CEERI)
10:30 – 11:00	Invited Talk – High Power RF Systems for Ion Accelerator of ADS - Ms. Manjiri Pande (BARC-Mumbai)
11:00 – 11:30	Invited Talk – Development of 75 MHz, 5 KW CW/Pulsed Transmitter System - Dr. K.P. Ray (SAMEER - Mumbai)
Tea 11:30 – 12:00	
Session – 1/2 (12:00 – 14:00)	
12:00 – 12:30	Invited Talk – Developmental Efforts for High Peak Power RF/Microwave Systems Based on Emerging Solid State Technologies for Particle Accelerators - Sh. Purushottam Srivastava (RRCAT)
12:30 – 13:00	Invited Talk – Pulsed High Power Microwave Devices for Electronics susceptibility Study – Dr. Archana Sharma (BARC)
13:00 – 13:20	Oral – Output Characteristics of Axially Extracted Virtual Cathode Oscillator with Graphite Cathod – Rishi Verma (BARC - Vizag)
13:20 – 13:40	Oral – Design & Simulation for Relativistic Magnetron for Linear Induction Accelerator-400 System – Ankur Patel (BARC - Mumbai)
13:40 – 14:00	Oral – Design & Development of Power Divider/Combiners for Solid State RF Amplifier Required at Accelerator Development at BARC – J.K. Mishra (BARC-Mumbai)
Lunch : 14:00 – 15:00	
Session – 1/3 (15:00 – 16:30)	
Poster Session – I	
15:00 – 16:30	RF Amplifiers, Microwave Sources, RF & Microwave Components & Instrumentation
Tea : 16:30 – 17:00	
Session – 1/4 (17:00 – 19:00)	
17:00 – 17:30	Invited Talk - Prospects of Indian Gyatron in 21 st Century - Dr. A.K. Sinha (CEERI)
17:30 – 18:00	Invited Talk – Challenges in High Power RF Coupler Development for Indian Accelerator Program for ADS - Sh. Rajesh Kumar (BARC)
18:00 – 18:20	Oral – High Power Microwave Generation by VIRCATOR and Relativistic Magnetron Using Compact & Repetitive Generator - Rajesh Kumar (IPR)
18:20 – 18:40	Oral – V-I Characterisation of Magnetron Injection Gun for 42 GHz, 200 KW Gyatron – Hasina Khatum (CEERI)
18:40 – 19:00	Oral – Establishment of S-Band Waveguide Setup for High Power Testing of Payload Components – Ms. Apurva N. Patil (SAC)
IPR Lab Visit 19:00 – 20:00	
Sponsored Dinner 20:00 – 21:30	

Day – 2 : 5th September 2013	
Session – 2/1 (09:30-11:30)	
09:30 – 10:00	Invited Talk – The Proposed Indian Synchrotron for Materials & Energy Research - Prof. Alokmay Datta (SINP)
10:00 – 10:30	Invited Talk – High Power Microwave Devices and Their Applications - Dr. K.S. Bhat (MTRDC)
10:30 – 11:00	Invited Talk - Dr. D.C. Pande (LRDE)
11:00 – 11:30	Invited Talk – Prof. Debatosh Guha – University of Calcutta
Tea 11:30 – 12:00	
Session – 2/2 (12:00 – 14:00)	
12:00 – 12:30	Invited Talk – High Power Klystron Development - Dr. L.M. Joshi (CEERI)
12:30 – 13:00	Invited Talk – High Power Solid State RF Sources - Sh. Akhilesh Jain (RRCAT)
13:00 – 13:20	Oral – Design & Development of Multi-Element 3-dB High Power Hybrid Coupler – Rana Pratap Yadav (IPR)
13:20 – 13:40	Oral- Development & Qualification of High Power Waveguide Diplexer for Deep Space Mission – A.V.G. Subramanyam (ISAC - ISRO)
13:40 – 14:00	Oral – High K and Low Loss Dielectrics for High Power Microwave Ceramic Windows – S. Bashiah (Hyderabad University)
Lunch : 14:00 – 15:00	
Session – 2/3 (15:00 – 16:30)	
Poster Session – II	
15:00 – 16:30	Poster Session - RF, Microwave, EMI, DC Supplies
Tea : 16:30 – 17:00	
Session – 2/4 (17:00 – 19:00)	
17:00 – 17:30	Invited Talk – Prof. A.N. Sekar Iyengar (SINP)
17:30 – 18:00	Invited Talk – Sh. K.S. Parikh (SAC)
18:00 – 18:20	Oral – Design & Development of Efficient High Power Broadband Combiner and Impedance Matching Transformer – J.S. Prasad (VECC)
18:20 – 18:40	Oral – 100 KV, 5 KW, 20 kHz AC Power Supply Developing IGBT Based 500 V, 20 kHz Inverter and Tape-Wound Core 100kV, 20 kHz Transformer – Mukesh Kumar (BARC - Mumbai)
18:40 – 19:00	Oral – Design & Development of Beam Stick Tube for a 350 MHz Klystron – D.Kant (CEERI)
Cultural Program	
19:00 – 20:00	
Director's Dinner	
20:00 – 21:30	

Day – 3 : 6th September 2013	
Session – 3/1 (09:30-11:30)	
09:30 – 10:00	Invited Talk – A Journey Through the Indigenous Development of High Power CW RF Amplifiers and Cavities for Accelerators at VECC – Sh. Sumit Som (VECC)
10:00 – 10:30	Invited Talk – High Power Efficient Magnetrons for Industrial, Scientific and Medical Applications - Dr. V.V.P. Singh (CEERI)
10:30 – 11:00	Invited Talk – High Power RF Amplifier Systems for INDUS Synchrotron – Sh. Mahendra Lad (RRCAT)
11:00 – 11:30	Invited Talk – Prof. Shibani K. Kaul (IIT Delhi)
Tea 11:30 – 12:00	
Session – 3/2 (12:00 – 14:00)	
12:00 – 12:30	Invited Talk – Pulsed High Power Microwave & Their Drivers - Dr. Anurag Shyam (IPR)
12:30 – 13:00	Invited Talk – Sh. Rajiv Jyoti (SAC)
13:00 – 13:20	Oral – A Microwave Free Space Measurement Technique to Detect Concentration of Conductive Impurities in Dilute Mixture – R. Ragothaman (IIT Chennai)
13:20 – 13:40	Oral – AN Automated Test & Characterisation System for Solid State RF Amplifier – Vikas Rajput (RRCAT)
13:40 – 14:00	Oral – Balanced TEM Horn Antenna for UWB System With Sub-Nano Second Rise Time – S.K. Singh (BARC)
Lunch : 14:00 – 15:00	
Session – 3/3 (15:00 – 17:00)	
15:00 – 15:30	Invited Talk – Development of VHF Power Amplifiers for Accelerator Applications – Dr. B.P. Ajith Kumar (IUAC)
15:30 – 16:00	Invited Talk - Invited Talk – Antenna for Space Applications - Dr. Dhaval Pujara (Nirma University)
16:00 – 16:20	Oral – Dielectric Relaxation Studies of Binary Mixture of Diethylene Glycol Mono Phenyl Ether & Methanol by Time Domain Reflectometry in the Frequency Range of 20 MHz to 25 GHz – H.A. Chaube (Gujrat University)
16:20 – 16:40	Oral – Screen Printed Electric Field Sensor for Real Time Feedback Control During Electromagnetic Thermal Therapy of Cancer – Kayatri Kalyanasundaram (IIT Chennai)
16:40 – 17:00	Oral – Simulation of ITER Full-field ICWC Scenario in JET: RF Physics Aspect – Manas Kumar Paul (NIT Agartala)
Tea : 17:00 – 17:30	
Session – 3/4	
17:30 – 18:00	Invited Talk – Design & Development Progress Report of 250 KW C-Band High Power Klystron - Dr. O.S. Lamba (CEERI)
18:00 – 18:30	Invited Talk – MW to Giga Watt RF Systems for Electron Accelerators and Pulse Power Applications – Dr. K.C. Mittal (BARC)
18:30 – 19:00	Invited Talk – High Power Test of 42 GHz, 500 KW, Gyatron for ECRH System on SST-1 Tokamak - Sh. B.K. Shukla (IPR)
Panel Discussion & Concluding Session	
07:00 – 08:00	
Sponsored Dinner	
08:00 – 09:30	