

DAE-BRNS Workshop on
Superconductivity and its Application in Electrical Systems

Venue: Ajay Shankar Divatia Lecture Hall, VECC, Kolkata

December 17-18, 2015

Tentative Program

Day-1: Date: 17.12.2015 (Thursday)

09:45-10:00 Inauguration program

Introduction to the workshop: Gautam Pal

Welcome Address: D.K. Srivastava, Director, VECC

Address by Guest of Honour: R.K. Bhandari, President, ICC

Vote of Thanks: Sandip Pal

Technical Session – 1 (TS1)

10:00-10:45 TS1-L1 High Temperature Superconducting (HTS) cables for efficient power transmission

V. V. Rao, IIT, Kharagpur

10:45-11:30 TS1-L2 Superconducting Linacs for ANURIB programme at VECC

V. Naik, VECC, Kolkata

11:30-12:00 Tea

Technical Session – 2 (TS2)

12:00-12:45 TS2-L1 Application for superconductivity for special electrical machines, *U K Choudhury, BHEL, Hyderabad*

12:45-13:30 TS2-L2 Indigenous technology development for fabrication of low temperature multifilamentary superconducting wires and cables

M. M. Hussain, AFD, BARC, Mumbai

13:30-14:30 Lunch

Technical Session – 3 (TS3)

14:30-15:15 TS3-L1 Superconducting magnet development at VECC Kolkata

Gautam Pal, VECC, Kolkata

15:15-16:00 TS3-L2 Design & development activities of low-beta 650 MHz SCRF cavities for the 1 GeV proton linear accelerator

S. Som, VECC, Kolkata

16:00-16:15 Tea

Technical Session – 4 (TS4)

16:15-17:00 TS4-L1 Superconducting Detectors

Vandana Nanal, TIFR, Mumbai

17:00-17:45 TS4-L2 SQUID and it's Applications

R. Nagendran, IGCAR, Kalpakkam

17:45-18:00 Tea

Special Session

18:00-19:00 Evening Lecture Story of Superconductivity, a serendipitous discovery

Amit Roy, VECC

19:30 Dinner (Venue: VIP Lounge, VECC Guest House)

Day-2: Date: 18.12.2015 (Friday)

Technical Session – 5 (TS5)#

09:30-10:15	TS5-L1	Present status of practical superconductor and future prospects (A Review) <i>R.G. Sharma, IUAC, New Delhi</i>
10:15-11:50	TS5-L2	FAIR magnet design review <i>Anjan Dutta Gupta/P.R.Sharma/Chinmay Nandi/Javed Akhtar/Subrata Saha</i>
11:50-12:15	TS5-L3	Development of conduction cooled HTS magnet for cryogenic test setup <i>J Pradhan, VECC, Kolkata</i>

Technical Session – 6 (TS6)

12:15-12:40	TS6-L1	Designing of superconducting magnet for clinical MRI <i>Soumen Kar, IUAC C, New Delhi</i>
12:40-13:05	TS6-L2	Design and optimization of superconducting magnet system for Energy Storage Application <i>Uttam Bhunia, VECC, Kolkata</i>
13:05-13:30	TS6-L3	SMES based dynamic voltage restorer: a prototype <i>Anirban De, VECC, Kolkata</i>
13:30-14:30		Lunch
14:30-15:15		Brief summary of workshop <i>Sunil Sarangi, NIT, Rourkela</i>
15:15-16:45		Felicitation program High Tea