

2nd International Workshop on ADS and Thorium Utilization at BARC during December 11-14, 2011

December 11, 2011

Welcome and Registration at Hotel Fortune Exotica	18:30 hrs – 21:30 hrs
Welcome and Registration at Training School Hostel	16:00 hrs – 18:00 hrs

December 12, 2011:

Venue: Seminar Room, Nabhikiya Urja Bhavan, Anushakti Nagar, Mumbai 400094

09:30-11:00 Session 1: Inaugural Function

Welcome:	S. Kailas , <i>Director, Physics Group, BARC</i>
Introduction to Workshop:	Ganapati Myneni , <i>Senior Scientist, J.Lab, USA</i>
Presidential address:	R.K. Sinha , <i>Director, BARC</i>
Inaugural Address:	S. Banerjee , <i>Chairman, AEC & Secretary, DAE</i> (Accelerators in Sustainable Nuclear Energy Programme)
Vote of Thanks:	K.C. Mittal , <i>Convener ADS 2011</i>

Tea Break 11:00 - 11:30

11:30- 13:00 Session 2: Chairman: Carlo Pagani

11:30-12:00	Hamid Aït Abderrahim : MYRRHA - Multipurpose hYbrid Research Reactor for High-Tech Applications,
12:00- 12:30	P.K. Vijayan : Thorium Utilisation in Advanced Reactor Designs
12:30 -13:00	Swapan Chattopadhyay : R&D Activities in ADS in UK, Cockcraft Institute

Lunch 13:00 - 14:30

14:30- 15:30 Session 3: Chairman: Alex Stanculescu

14:30 - 15:00	Akira Yamomotto : Status of SCRF Cavity and ADS Development in Japan, KEK, Japan
15:00 – 15:30	Andrew Hutton : ADS-Related Initiatives in the US, Jefferson Lab, USA

Tea Break 15:30 – 16:00

16:00- 17:00 Session 4: Chairman: R. Kaiser

16:00 -16:30	P.D. Gupta : Accelerator Activities at RRCAT
16:30 -17:00	Rolland Johnson : Turn-key SRF Accelerators to Drive Subcritical Reactors,

17:00- 18:00 Session 5:
Panel Discussion: International Collaboration
Session Chairs & Others to participate

December 13, 2011

09:30-11:00

Session 6: Chairman:

09:30 – 10:00

S.V. Ignatyev: Status and main problems in creation of heavy liquid metal target of 1 MW class for ADS

10:00 – 10:30

John Galambos: Spallation Neutron Source High Power Operational Experience

10:30 – 11:00

S.G. Degweker: Accelerator Driven Systems for Th Utilisation in India: Physics Studies and Developments, BARC, Mumbai, India

Tea Break 11:00 - 11:30

11:30- 13:00

Session 7: Chairman:

11-30-12:00

Bruce Vogelaar: GEM*STAR: an alternative way forward, Virginia Tech, USA.

12:00- 12:30

Rod Gerig: Near-Term Spent Nuclear Fuel Disposal Using Accelerator Driven System ANL, USA.

12:30 -13:00

Doug Wells: Applications of Electron Linacs to ADS: One Potential Path Forward, Idaho State University, USA.

Lunch 13:00 - 14:30

14:30- 16:30

Session 8: Chairman: Blaine Norum

14:30 - 15:00

S. Kailas: Ion Accelerator Activity at BARC, BARC, Mumbai, India.

15:00 – 15:30

L. M. Gantayet: Electron Linac Development Programme at BARC, India

15:30 – 16:00

P. Satyamurthy: The Indian Program on the Development of Neutron Sources for Accelerator Driven System, BARC, Mumbai, India

16:00 - 16:30

D. Kanjilal: Ion accelerator and associated developmental activities at IUAC New Delhi

16:30- 18:30

Session 9: Poster Session

Tea/Coffee will be available during poster session

December 14, 2011

09:30-11:00 Session 10: Chairman: Marcos Stuart

09:30 – 10:00 **G.R.Myneni:** CW SRF systems with ingot niobium and their Applications JLAB, USA.

10:00 – 10:30 **S.B.Roy:** R&D on Large Grain Niobium Materials for SCRF-Cavity Applications, RRCAT, Indore, India

10:30 – 11:00 **Ganni Rao:** Helium Refrigeration Considerations For ADS Cryomodule Design, JLAB, USA.

Tea Break 11:00 - 11:30

11:30- 13:00 Session 11: Chairman:
11-30-12:00 **R.K. Bhandari:** VECC's Efforts towards Production of High Power Beams

12:00- 12:30 **C.J. Carlille:** The Road Ahead for the European Spallation Source

12:30 -13:00 **S.C. Joshi:** Present Status of Infrastructure Facilities for SCRF Cavity Development

Lunch 13:00 -14:30

14:30- 15:30 Session 12: Chairman:

14:30 - 15:00 **Hamid Aït Abderrahim:** Material issues for design and licensing of MYRRHA ADS system

15:00 – 15:30 **P R Hannurkar:** Development of 505.8 MHz Solid State RF Amplifiers at RRCAT

Tea Break 15:30 – 16:00

16:00- 17:00 Summary and Concluding Session

Alex Stanculescu, Sama Bilbao Leon & others