

Schedule of Presentations & Discussions

Session-II: 1400-1725

Chairman: **Dr. Manoj Gupta**, OS (HEMRL-DRDO)

1400hrs-1430 hrs: Experiment-theory overlap for design and development of novel polymeric binders and plasticizers for high energy applications

Dr. S. Radhakrishnan (HEMRL-DRDO)

1430-1500 hrs: Bis-homocubanes as possible monomers to synthesize energetic binders

Prof. I. N. N. Namboothiri (IIT-Bombay)

1500-1530 hrs: Next-generation energetic binders and plasticizers-goals and challenges

Dr. Javed Athar (HEMRL-DRDO)

1530-1540 hrs: Tea

1540-1610 hrs: Design of new fluorinated and n-n bonded polymeric binders for high energy applications

Dr. B. Barkakaty (UoH)

1610-1640 hrs: Energetic polyphosphazenes-novel polymeric binder systems for high energy applications

Prof. K. Muralidharan (UoH)

1640-1650 hrs: Tea

1650-1725 hrs Panel Discussions

Vote of thanks and concluding remarks

WORKSHOP ON DEVELOPMENT OF BINDERS AND PLASTICIZERS FOR ENERGETIC APPLICATIONS

on

15th December 2017



Organised by ACRHEM

in Collaboration with HEMRL

Co-sponsored by HEMSI

At

**Advanced Centre of Research in High Energy Materials
(ACRHEM)**

**University of Hyderabad
Hyderabad 500046, India**

0830-0855 hrs: Registration of participants

Inaugural Program

Chief Guest

Shri P.K. Mehta

DS & Director General (ACE), DRDO

Guest of Honour

Shri K. P. S. Murthy

Director, HEMRL-DRDO

Chairman

Dr. K. V. Rao

Convener

Dr. B. Barkakaty

Inaugural Function

0855 hrs: Arrival of Dignitaries

0900 hrs: Lighting of Lamp and Saraswati Vandana

0905 hrs: Welcome Address **Dr. K. V. Rao**

Director, ACRHEM

0910 hrs: Opening Remarks **Shri K. P. S. Murthy**

Director, HEMRL

0915 hrs: Inaugural Address **Shri P. K. Mehta**

DS & Director General(ACE)

0922 hrs: Release of the Workshop Proceedings by Chief Guest

0925 hrs: Distribution of mementos to the Dignitaries

Schedule of Presentations & Discussions

Session-I: 0930-1325

Chairman: **Dr. S. N. Asthana**, Retd. OS (HEMRL-DRDO)

0930hrs-1000 hrs: Recent advances in polymeric binders and plasticizers for high energy materials at ISRO

Mrs. Elizabeth John (VSSC-ISRO)

1000-1030 hrs: Functionalized HTPB For high energy applications

Prof. Tushar Jana (UoH)

1030-1045 hrs: High Tea

1045-1115 hrs: Application of polymeric binders/plasticizers in high energy materials – short term and long term goals

Dr. S. M. Pande (HEMRL-DRDO)

1115-1145 hrs: Fluoropolymers for strategic applications

Dr. T. Shekharam (CSIR-IICT)

1145-1155 hrs: Tea

1155-1225 hrs: Synthesis and properties of functional (per)fluoropolyether derivatives

Dr. P. Wadgaonkar (CSIR-NCL)

1225-1300 hrs: Panel Discussions

1300-1400 hrs: Lunch