

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

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

Prof. Appa Rao Podile

Vice Chancellor, UoH

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: Address by Guest of Honour

Prof. Appa Rao Podile

Vice Chancellor

University of Hyderabad

0920 hrs: Inaugural Address

Shri P. K. Mehta

DS & DG (ACE)

0927 hrs: Release of the Workshop Proceedings by Chief Guest

0928 hrs: Distribution of mementos to the Dignitaries

0929 hrs: Vote of thanks

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