

International Symposium on
Advanced Materials for Industrial and Societal Applications (IS – AMISA)

Wednesday, 13th November, 2019, Vizhinjam & Light House Halls, Uday Samudra Resort

Programme

| Time | | Programme |
|------|------|--|
| 0830 | 0900 | Registration |
| 0915 | | Inauguration |
| | 0915 | Welcome Address – Dr. P. V. Venkitakrishnan , Director, CBPO,ISRO HQ & Chairman, Core Organising Committee |
| | 0920 | About International Symposium – Dr. R. Divakar , Head, PIED & MDTD, IGCAR & Convenor, IS-AMISA |
| | 0925 | Presidential Address – Dr. U. Kamachi Mudali , Chairman & Chief Executive, HWB & President, Indian Institute of Metals |
| | 0935 | Inauguration of International Symposium – Chief Guest, Dr. V. K. Saraswat , Member, NITI Aayog, GOI |
| | 0955 | Vote of Thanks - Dr. P. Ramesh Narayanan , GM, VSSC & Convener, Core Organisation Committee |
| 1000 | 1030 | Break for High-Tea |
| 1030 | 1115 | Plenary Lecture – <i>Aerospace Materials for Industrial and Societal Applications</i> , Dr. V. K. Saraswat , Member, NITI Aayog, Government of India |
| 1115 | 1200 | Plenary Lecture – <i>Materials for Advanced Energy Systems</i> , Dr. Srikumar Banerjee , Homi Bhabha Chair Professor, Department of Atomic Energy |
| 1200 | 1300 | Panel Discussion on <i>Key Drivers for Development and Adoption of Advanced Materials and Technologies for Industrial and Societal Applications</i> , Moderator: Dr. Sanak Mishra , President, INAE Panelists: Dr. C. G. Krishnadas Nair, Dr. Dipankar Banerjee, Dr. R.N. Patra, Mr. S. S. Mohanty |
| 1300 | 1400 | Lunch |

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| 1400 | 1730 | Keynote Lectures | |
| | | Session A (Vizhinjam Hall) | Session B (Light House Hall) |
| 1400 | 1430 | KLA1 – <i>Towards Achieving the Goals of Circular Economy in Materials Manufacturing</i> , Prof. Brajendra Mishra , Worcester Polytechnic Inst., USA | KLB1 – <i>The rapid development of new materials</i> , Prof. R. V. Ramanujan , Nanyang Technological University, Singapore |
| 1430 | 1500 | KLA2 – <i>Zinc alloy and nano-composite coatings for corrosion protection: From the basics to new challenges</i> , Dr. Michael Rohwerder , Max-Planck Institute, Germany | KLB2 – <i>High Temperature Receivers and Thermal Storage Systems for Concentrating Solar Power</i> , Prof. Pradip Dutta , Indian Institute of Science, Bangalore |
| 1500 | 1530 | KLA3 – <i>Disruptions in Materials for Mobility</i> , Dr. Debashish Bhattacharjee , TATA Steel, Kolkata | KLB3 – <i>Progress in alloy and process development of magnesium-based materials for new fields of application</i> , Prof. Dr. Karl Ulrich Kainer , Magnesium Innovation Centre, Germany |
| 1530 | 1600 | Tea Break | |
| 1600 | 1630 | KLA4 – <i>Advanced Materials and Systems for Space Applications</i> , S. Somanath , Vikram Sarabhai Space Centre | KLB4 – <i>Advanced alloys and manufacturing technologies for industrial and societal applications</i> , Dr. D. K. Likhi , MIDHANI |
| 1630 | 1700 | KLA5 – <i>Challenges and Opportunities in Steel making and Hot rolling of Line pipe steel for clean steel technology and low temperature toughness</i> , Dr. Devashish Mishra , JSW, Bellary | KLB5 – <i>Light-weighting of metals by new severe plastic deformation processes that are candidates for industrialization</i> , Prof. Laszlo S. Toth , Université de Lorraine, France |
| 1700 | 1730 | KLA6 – <i>Additive Manufacturing via Thermal Spray Technologies: Transforming Science into Industrial Applications</i> , Prof. Christopher C. Berndt | KLB6 – <i>Nanocerium Oxide: From Metallurgy to Medicine</i> , Prof. Sudipta Seal , University of Central Florida, USA |
| 1730 | | Summary of International Symposium – Dr. S.C. Sharma , Deputy Director, VSSC & Co-Chairman, COC | |