WORKSHOP ON "FRONTIERS IN MATERIALS"

DATE: 14TH AUGUST 2021
TIME: 2:00 PM - 8:00 PM (IST)

Zoom link to join the meet
https://zoom.us/j/98695004799?pwd=WEpDUVdIbkp1T1pxOTVQNkJPVnBtUT09
Meeting ID: 986 9500 4799
Passcode: 123582

Registration is free of cost

PROGRAMME SCHEDULE

2:30 PM - 3:00 PM (IST): Inaugural Session
Prof. M Kamaraj, Chairman, ASMICC

3:00 PM - 4:00 PM (IST): Lecture 1
Prof. Christopher Berndt, Swinburne University of Technology, Australia
Topic: Advances in Thermal Spray Coatings and Applications

4:00 PM - 5:00 PM (IST): Lecture 2
Dr. M Sathya Prasad, Ashok Leyland, Chennai
Topic: Materials & Manufacturing for Future Mobility

5:00 PM - 5:30 PM (IST): Break

5:30 PM - 6:30 PM (IST): Lecture 3
Dr. Debashish Bhattacharjee, Tata Steel Ltd., Kolkata
Topic: New Materials for 21st Century

6:30 PM - 7:30 PM (IST): Lecture 4
Prof. Zi-Kui Liu, PennState University, USA
Topic: Designing and Tailoring Frontier Materials Processing and Properties

7:30 PM - 8:00 PM (IST): Concluding Session
Dr. U Kamachi Mudali, Trustee-Elect, ASM International, USA

Organized by
ASM International Chennai Chapter
Material Advantage Student Chapters
(NIT Trichy & SRMIST)

75TH INDEPENDENCE DAY

Coordinators
Prof. M Kamaraj, Chairman, ASMICC
Dr. Shushanta Kumar Panigrahi, Joint-Secretary, ASMICC
Dr. Shubrajit Bhaumik, EC, ASMICC
Dr. A Vinoth, Faculty Advisor, Material Advantage, SRM Institute of Science and Technology, Chennai
Dr. V Karthick, Faculty Advisor, Material Advantage, NIT Trichy
Platinum Jubilee Independence Day Special Lecture on

“PLATINUM JUBILEE & BEYOND: MATERIALS DEMAND AND ISSUES”

DATE: 15TH AUGUST 2021
TIME: 11:00 AM - 12:30 PM (IST)

Zoom link to join the meet
https://zoom.us/j/93511483497?pwd=dEczZG1nTXRIV1BGQlRnSWR6VDNkdz09
Meeting ID: 935 1148 3497
Passcode: 585628

Registration is free of cost

Organized by
ASM International Chennai Chapter

Abstract:
Since independence in 1947 India has steadily progressed in the materials domain, and has made significant production of metals and alloys required for various applications in industry and society. During the last 10 years, the roadmap for the production of new materials and higher production of conventional metals and alloys in both Ferrous and NonFerrous categories has yielded good results, with India making steady competition with global partners. The materials journey upto independence, till Platinum jubilee, and far beyond, is addressed by the speaker in this presentation based on the facts and figures available in public domain.

Biography:
Dr. U. Kamachi Mudali has made pioneering contributions to production of heavy water and specialty materials; advanced materials & coating technology development; corrosion science, engineering and technology; materials, process and equipment development for reprocessing applications; failure analysis, consultancy and societal contributions; for 36 years during his service at DAE. Dr Mudali has 465 Journal publications, 5 patents, and 9500 citations with an h-index of 43 and i-10 index of 245. Dr. Mudali has co-edited 20 Books/Proceedings, Associate Editor of Journal of Electrochemical Society of India and Editor-in-Chief of IIM-Springer Book Series and CII-Corrosion Management Committee Booklet Series. He has guided/coordinated 162 UG/PG/PhD degree projects of students from various academic institutions. He is recognised in the World's Top 2% scientists from India in the field of Materials, and is a Fellow of 12 professional associations including 3 from abroad, and Honorary Member of Indian Institute of Metals (IIM) and UDCT Alumni Association, Mumbai. Dr. Mudali is decorated with several distinguished recognitions from India and abroad including: Distinguished Alumnus Award from IIT Bombay where he did M.Tech (Corrosion Sci & Engg.) in 1984, and PSG College of Technology, Coimbatore where he did MSc (Materials Science) in 1982, GD Birla Gold Medal and Metallurgists of the Year Award from IIM & Gol, Best Scientist Award from TNSCST, Chennai, MASCOT National Award, Excellence & Meritorious Awards in Corrosion from NACE India and NCCI, Karaikudi, Vasvik Award, Indian Nuclear Society Medal, Homi Bhabha Science and Technology Award of DAE, Outstanding Faculty Award from HBNI University, Frank Newman Speller Award of NACE International, USA, the highest recognition and first Indian to get in the field of corrosion. Dr. Mudali was Visiting Scientist and widely travelled to USA, Germany, Russia, France, UK, Japan, Malaysia, Israel, Bulgaria, Canada, and Singapore. Dr. Mudali was the President of IIM during 2019-2020, and is currently the Trustee Elect of Board of Trustees of ASM International, USA for 2021-2024, and formerly Chairman of ASM International, Chennai Chapter.