

Events

PL THERMAL SCIENCES – ITAS AWARD 1993

Dr. Amitava Bandopadhyay, Scientist, of the National Metallurgical Laboratory (NML), Jamshedpur, India has been awarded the PL Thermal Sciences – ITAS Award 1993 instituted by Polymer Laboratories Ltd. (UK), in collaboration with Indian Thermal Analysis Society, Bombay, India for his outstanding contribution in the field of Thermal Analysis.

Dr. Bandopadhyay has contributed significantly to thermal analysis with special attention towards using thermo-analytical techniques in the understanding of industrially important phenomena such as (a) auto-ignition of direct reduced iron (DRI) or sponge iron leading to formulation of procedures for its safe handling, storage and transportation and (b) understanding the mechanism of strategically important engineering components including manufacture of ceramic matrix composites of near net shapes.

His research on protective techniques to combat auto-ignition of DRI have also led to understanding of the effectiveness of these techniques especially under rising temperature conditions which is more akin to the actual combustion process.

He has also developed a thermal analysis based technique for determining ignition temperature of DRI which has helped in assessing the stability of different types of DRI under non-isothermal conditions.

Besides mechanistic informations, his investigations on CMCs have also demonstrated a technique for increasing the rate of composite formation.

Dr. Bandopadhyay's other areas of interest are direct and smelting reduction processes of iron making, plasma-metal interactions, plasma assisted CVD, kinetics and process modelling.

Dr. Bandopadhyay (born 16th July, 1959) obtained his Masters in Chemical Engineering from Indian Institute of Science, Bangalore and Ph. D. (Metallurgical Engineering) from Indian Institute of Technology, Kharagpur. He has worked for various organizations in India and abroad: R&D Centre, Steel Authority of India Limited, Ranchi (1982–89); Post Doctoral Research Associate at Materials Research Laboratory, Pennsylvania State University, USA and National Metallurgical Laboratory, Jamshedpur (Dec. 91 – present). Dr. Bandopadhyay has received many honours and awards: Jadavpur University Alumni Association Award (1980), N. R. Kuloor Memorial Medal from Indian Institute of Science, Bangalore (1982) and NSF Visiting Fellowship to University of Pittsburg, USA (1988). He has to his credit over 35 research papers published in India and abroad.

VI. CONFERENCE ON CALORIMETRY AND THERMAL ANALYSIS

will be held in Zakopane, Poland September 18–22, 1994

The Conference will cover all aspects of calorimetry and thermal analysis. The programme will consist of plenary lectures by invited speakers, section lectures, oral communications and posters presentation. The following sections are planned:

1. Thermodynamics and thermochemistry of interactions in solutions.
2. Investigations of biological and pharmacological systems.
3. Calorimetry and thermal analysis in natural environment science.
4. Calorimetry and thermal analysis of inorganic substances and materials.
5. Calorimetry and thermal analysis of carbon compounds and polymers.
6. Calorimetry and thermal analysis in earth science.
7. Apparatus and measurement techniques; calorimetric processes modelling.

A display of scientific instruments is planned.

Official languages of the conference will be Polish and English.

Selected papers of the conference will be published in a Special Issue of the *J. Thermal Anal.*

More information:

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