

VI International Conference on Mechanochemistry and Mechanical Alloying

INCOME2008

December 1-4, 2008
Jamshedpur, India



Organised by
National Metallurgical Laboratory, Jamshedpur
under the aegis of
International Mechanochemistry Association

Welcome

Dear Colleagues!

On behalf of the INCOME2008 Organizing Committee, we have the pleasure to invite you for the VI International Conference on Mechanochemistry and Mechanical Alloying (INCOME2008), which will be held in Jamshedpur, India, during December, 1-4, 2008. Brief description of the conference and the venue are provided here. More information can be found on the conference website www.INCOME2008.org, and also you may contact us on the address given overleaf. We do hope that you and your colleagues will be able to come to Jamshedpur to attend INCOME2008 and contribute towards its successful organisation in India.

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About INCOME2008

The INCOME series of conferences initiated by International Mechanochemistry Association [an associate member of International Union of Pure and Applied Chemists (IUPAC)] has served as a common platform to bring together all stakeholders from academia, Research & Development organisations, and industry to foster the growth of the discipline. The first international conference on 'Mechanochemistry and Mechanical Alloying (INCOME1992)' was held in Košice (Slovakia) in 1992. This was followed by INCOME1997 in Novosibirsk (Russia), INCOME2000 in Prague (Czech Republic); INCOME2003, in Braunschweig (Germany) and INCOME2006 again in Novosibirsk. INCOME2008, to be held at Jamshedpur, India, is the next in the series. The scientific program will consist of invited lectures, oral, and poster communications. Participation of research scholars and students is encouraged. It is also proposed to organize an exhibition on the sideline of the conference to provide an opportunity to related institutes/companies for the display of their products.

Scope

The conference would touch upon all facets of mechanochemistry, including

- 📁 **Synthesis and processing in solid state - science and technology**
Mechanosynthesis, Mechanical alloying, Mechanical activation, High-energy milling, Severe plastic deformation of materials (SPD), Role of environment (e.g. water, gases), Reaction milling, and Mechanochemical processing under less stressing (soft mechanochemistry, smart mechanochemistry etc), Mechanochemistry of macromolecules.
- 📁 **Structural characterization**
Mechanically induced structural changes in activated solids, Role of defects (point defects, dislocations, clusters, precipitates, grain boundaries), Surfaces and interfaces in activated solids.
- 📁 **Thermodynamics and modelling**
Fundamentals and models of mechanically stimulated processes, Computer simulations
- 📁 **Kinetics of solid state processes**
Evolution toward equilibrium, Phase transitions, Crystal growth, Transport processes
- 📁 **Properties**
e.g., chemical, electrochemical, electrical, magnetic, electronic, optical, tribological. thermal and mechanical
- 📁 **New materials/processes**
Nanomaterials, nano-composites, quasi-crystalline phases/materials, molecular design, coatings, self propagating high temperature synthesis
- 📁 **Applications (including new commercial processes)**
Mechanical alloying, Extractive metallurgy, Ceramics processing, Catalysis, Paints, pigments and dyes, Cement processing, Mechano-organo/organometallic synthesis, Pharmaceutical, Agriculture, Waste utilisation, Ecologically safe technologies etc
- 📁 **New equipment and procedures**
Milling equipment, Large size activation devices, Preparation, characterization and handling of active powders

International Advisory Committee

M. Atzmon (USA); E. Avvakumov (Russia); P. Baláž (Slovakia); K. D. Becker (Germany); V. Boldyrev (Russia); B.-C. Ban (Korea); P. Butyagin (Russia); A. Calka (Australia); K. Chattopadhyay (India); G. Cocco (Italy); J. M. Criado (Spain); E. Gaffet (France); E. Gutman (Israel); Y.-D. Hahn (Korea); E. Ivanov (USA); J. Z. Jiang (China); D. G. Klissurski (Bulgaria); Y.-S. Kwon (Korea); G. Le Caër (France); J.C. Lee (Korea); N. Lyakhov (Russia); M. Magini (Italy); S.P. Mehrotra (India); N.K. Mukhopadhyay, (India); Z. A. Munir (USA); D. Oleszak (Poland); F. Saito (Japan); M. Senna (Japan); V. Šepelák (Slovakia); L. Takacs (USA); K. Tkáčová (Slovakia); P. Vitiaz (Belarus); S. Yariv (Israel); E. Yelsukov (Russia); A. Yermakov (Russia).

Call for papers

The official language of the Conference is English. Interested participants are requested to fill-in the pre-intimation Form available on the Conference website www.INCOME2008.org. One-page abstract in Microsoft Word is to be submitted online. The format is available at <http://www.income2008.org/guidelines.htm>. All abstracts will be printed in the Souvenir which will be available during the conference. It is proposed to bring out the proceedings of the conference. The papers to be included in the proceedings will be peer reviewed.

About Jamshedpur

The host city, Jamshedpur forms a part of Jharkhand State (India), the capital of which is Ranchi. Jharkhand is the most mineral rich state in India producing large number of minerals/ores, such as iron ores, bauxite, copper ores, limestone, dolomite, fireclay, kaolin, coal, uranium, etc. Several industries dealing with iron and steel, aluminium, copper, precious metals, uranium etc, are located within 200-250 km radius of Jamshedpur city. Kolkata is the nearest metropolitan city. Jamshedpur is well connected by road and rail to Ranchi and Kolkata. The nearest international airport to Jamshedpur is Kolkata, from where it is possible to reach Jamshedpur by rail in about 4 hours. Few flights between Kolkata-Jamshedpur are also available. Ranchi has a domestic airport connected to Delhi, Kolkata and Mumbai. From Ranchi, it is possible to reach Jamshedpur by road in about 2 hours. Jamshedpur normally experiences extremely pleasant weather from middle of November to December - the average temperature during the day (8:00 AM to 5:00 PM) will be between 15-28 degree Centigrade and evening (6:00 PM to 11:00 PM) temperatures between 10-20 degree Centigrade. Several star hotels and guesthouses are available to suit foreign delegates. The city and its neighbouring areas have number of spots for tourist attraction. More details about Jamshedpur can be found at <http://www.jamshedpurlive.com/>.

Registration fee

Registration fee	US \$ 350
Registration fee (with IMA membership)	US \$ 400
Spouse registration	US \$ 100
Student registration	US \$ 100

Registered participants are encouraged pay for IMA membership fee along with conference registration fee. Special programme for spouse will be arranged.

Deadlines

May 15, 2008	Abstract submission
June 15, 2008	Acceptance of papers
July 31, 2008	Registration form submission
August 31, 2008	Confirmed hotel reservation
October 1, 2008	Submission of manuscript

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Chairman

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