

# In The News

## New Literature

Editor-in-Chief, Professor Dr. Janez Grum, announced a new journal publication—*International Journal of Microstructure and Materials Properties*—to help professionals, academics, researchers, and policy makers working in the field of material technology and material testing, physical modeling, or simulation of various processes in the materials, engineering education, to disseminate information and to learn from each other's work. Volume 1, No. 1, 2005 has been published. To ensure an international focus, editorial board members are from Slovenia, United Kingdom, United States, Brazil, Austria, Australia, Mexico, The Netherlands, Turkey, Canada, Croatia, China, Czech Republic, Spain, Hungary, Italy, Sweden, Germany, Portugal, and Poland.

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### Conference/Workshop Information

#### International Conference on Advances in Mechanical Engineering

December 1-3, 2006, Fatehgarh Sahib, India. Co-Sponsors: TMS (The Minerals, Metals & Materials Society, U.S.), IIF (The Institute of Indian Foundrymen, India-Chandigarh Chapter), ISTE (Indian Society for Technical Education, India), IEI (Institution of Engineers, India—BBSB Engineering College Chapter)

#### The Institute

Baba Banda Singh Bahadur Engineering College (<http://www.bbsbec.org>), Fatehgarh Sahib was established in 1993, is affiliated to Punjab Technical University,

Jalandhar, and accredited by the National Board of Accreditation (NBA) of AICTE as well as by Institute of Engineers (IEI), India. It is situated in an idyllic 175 acres campus located in sacred surroundings of historic Gurdwaras of Fatehgarh Sahib (India). The college is named after Baba Banda Singh Bahadur a great saint and warrior; who conquered the Sirhind fort and laid to rest the tyranny of Mughal Empire.

#### Technical Program

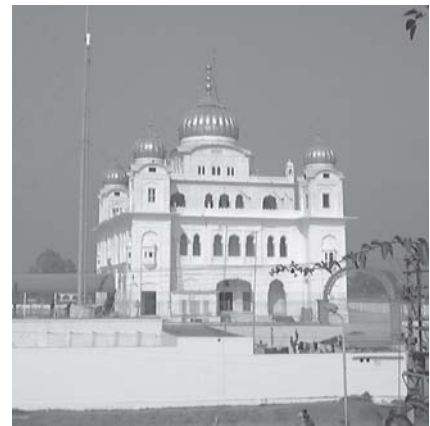
The conference will bring academia, R&D professionals, industry, and research scholars from around the globe together to share their views, ideas, and experience on the conference subjects. This event will allow the participants plentiful opportunity to discuss the recent developments in mechanical engineering and to review challenges the field will be facing in the 21st century. Main conference subjects are:

**Module 1: Design and Analysis:** Computer-aided design and drafting, finite-element analysis, BEM, robust design, fatigue analysis and design, DFM/A, mechatronics, tribology, mechanical vibration analysis, condition monitoring, advanced materials, nanotechnology, composite materials, agricultural & rural machinery and tooling

**Module 2: Thermal Engineering:** Heat engines, heat transfer, computer-aided thermal analysis, refrigeration and air-conditioning, CFD, fluid power engineering, automotive engineering, aeronautical and space technology, future fuels, non-conventional energy sources

**Module 3: Manufacturing Engineering and Sciences:** Computer-aided manufacturing, computer-integrated manufacturing, industrial robotics and automation, flexible manufacturing systems, surface engineering, computerized manufacturing support systems, modeling and simulation, artificial intelligent manufacturing systems, total quality management, non-traditional machining methods

An International Advisory Committee



Gurdwaras of Fatehgarh Sahib

consists of members from the international institutes/universities. The research papers will be peer reviewed by the members of this advisory committee and other renowned experts in the relevant fields. The conference will include expert overview lectures, plenary oral pleasures, posters, and industrial visits.

#### Abstract Submission

Abstracts can be submitted via conference web link [www.ame.mech.bbsbec.org](http://www.ame.mech.bbsbec.org) by June 26, 2006. Abstracts will be reviewed and authors informed about acceptance. Authors will be asked to submit a camera ready manuscript for publication in conference proceedings before September 11, 2006. The proceedings will be provided complimentary to registered participants.

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#### Materials Science & Technology 2006 Conference and Exhibition

October 15-19, 2006, Cincinnati, OH

MS&T crosses the boundaries of most materials events by bringing together the

strengths of four major materials organizations:

- ACerS (The American Ceramic Society)
- AIST (Association for Iron & Steel Technology)
- ASM (ASM International)
- TMS (The Minerals, Metals & Materials Society)

This collaboration results in the most comprehensive forum possible for those in materials science and engineering to learn from each other, explore new ways

of working, and experience the synergy that this exchange sparks for the benefit of the community at-large.

#### **Symposia**

- Materials systems
- Product manufacturing; includes for example “Surface Protection for Enhanced Materials Performance”
- Processing, includes for example “15th International Symposium on Processing and Fabrication of Advanced Materials (PFAM XV)”

- Fundamentals and Characterization, includes for example: “The Role of Computational Methods in Materials Research and Development,” “Frontiers of Materials Science and Engineering 2006: Microstructures and Properties—Linking From Nano to Macro,” and “Failure Analysis: Optimizing Design and Preventing Failures Through Failure Analysis”
  - Education and Professional Development
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