



### **Materials:**

Metallic Alloys, Tool Materials, Superplastic Materials, Ceramics and Glasses, Composites, Amorphous Materials, Nanomaterials, Biomaterials, Multifunctional and Smart Materials, Engineering Polymers

### **Properties:**

Ductility and Crack Resistance, Fatigue, Creep-resistance, Fracture Mechanics, Mechanical, Electrical, and Magnetic Properties, Corrosion and Erosion, Wear Resistance, Non-Destructive Testing, Reliability Assessment, Toxicity, Working Properties of Materials and Products

### **Methodology of Research:**

Electron Microscopy, X-ray Phase Analysis, Metallography and Quantitative Metallography, Image Analysis, Computer Assistance in the Engineering Tasks and Scientific Research

### **Analysis and Modelling:**

Numerical Techniques, Statistic Methods, Residual Life Analysis, Process Systems Design, Mould Flow Analysis, Rapid Prototyping, CAD/CAM, CAMS, CAQ, Engineering Design, Constructional Design, Technological Design, Materials Design, Applied Mechanics, Computational Material Science and Mechanics, Materials and Engineering Databases, Expert Systems, Artificial Intelligence Methods

### **Manufacturing and Processing:**

Casting, Powder Metallurgy, Welding, Sintering, Heat Treatment, Thermo-Chemical Treatment, Thin & Thick Coatings, Surface Treatment, Machining, Plastic Forming, Quality Assessment, Automation Engineering Processes, Robotics and Mechatronics, Technological Devices and Equipment

### **Cleaner Production:**

Theoretical Fundamentals of Cleaner Production, Industrial Application of Cleaner Production Methods

### **Industrial Management and Organisation:**

Production and Operations Management, Production Planning and Control, Manufacturing Technology Management, Quality Management, Environmental Management, Safety and Health Management, Project Management, Physical Distribution and Logistics Management, Supply Chain Management, Productivity and Performance Management

### **Education and Research Trends:**

Development of New Curricula for BSc and MSc Studies in the field of Materials Science, Manufacturing and Mechanical Engineering, Challenges of the Widening Labour Market, Complementary Roles of Developed and Developing Nations in Promoting a Global Industrial and Economical Infrastructure and Requirements on Common International Research and Teaching Development in the field of Materials, Manufacturing and Mechanical Engineering, Computer Aided Teaching, E-learning





The World Academy of Materials and  
Manufacturing Engineering  
and  
the Materials Science Committee of the Polish  
Academy of Sciences

would like to invite to  
the 15<sup>th</sup> Jubilee International Scientific Conference on  
Achievements in Mechanical and Materials Engineering

**AMME '07**

which will be organised in the Polish most famous summer paradise and  
winter sports capital

Zakopane • 27<sup>th</sup> - 31<sup>st</sup> May 2007

### DEADLINES

Abstract and Paper Submission – 28<sup>th</sup> February 2007

Acceptance of Papers – 30<sup>th</sup> April 2007

### PUBLICATION

The AMME'2007 conference delegates are invited to prepare a paper which will be published in the electronic version on the CD-ROM after peer reviews worked by experts invited by the Conference Organisers, and after the choice made by the Organisers in:

- the Special Issues of the Worldwide Journal of Achievements in Materials and Manufacturing Engineering by the International OCSCO World Press, Gliwice-Campinas-Portland-Madrid-Daejeon-Brisbane-Cairo, or
- the Special Issue of the International Journal of Materials and Product Technology by Inderscience Publishers, Switzerland or
- the Special Issue of the International Journal of Microstructure and Materials Properties by Inderscience Publishers, Switzerland or
- the Special Issue of the Journal of Materials Processing Technology by Elsevier, the Netherlands

Above mentioned journals are indexed by Thomson Scientific, formerly known as Thomson ISI from Philadelphia, PA (USA).

**Conference Venue**  
**Hotel Mercure Kasprowy\*\*\*\***  
**Zakopane, Poland**

**ADDRESS OF THE CONFERENCE:**  
**AMME'2007 Conference Secretariat**  
**Institute of Engineering Materials and**  
**Biomaterials,**  
**Silesian University of Technology**  
**ul. Konarskiego 18a (room 366),**  
**44-100 Gliwice, Poland**

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**On-line registration and detailed information**

**Home page: <http://www.amme.pl>**

**E-mail: [amme.info@polsl.pl](mailto:amme.info@polsl.pl)**



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