
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 and Biotechnology:

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

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

Only papers positively pre-reviewed by at least two reviewers are published in the Journal



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

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14th-17th June 2009

DEADLINES

Abstract and Full Paper Submission – 31st January 2009

Acceptance of Full Papers – 30th April 2009

PUBLICATION

AMME'2009 conference delegates are invited to prepare abstracts which will be published in the Conference Programme and Proceedings and full papers which will be published after peer reviews worked by experts invited by the Conference Organisers and after the choice made by the Organisers in

- the Worldwide Journal of Achievements in Materials and Manufacturing Engineering by the International OCSCO World Press, Gliwice-Campinas-Portland-Madrid-Daejeon-Brisbane-Cairo or
- Archives of Materials Science and Engineering by the International OCSCO World Press, Gliwice – Sao Paulo – Athens – Osaka – Doha – West Lafayette – Auckland – Szczecin – Singapore or
- Archives of Computational Materials Science and Surface Engineering by the International OCSCO World Press, Gliwice –West Lafayette – Daejeon – Riga – Campinas – Singapore – Rijeka or
- Archives of Materials Science by the Committee of Materials Science of the Polish Academy of Sciences

**Conference Venue
Mercure Hevelius
Gdańsk Hotel****
Gdańsk, Poland**

ADDRESS OF THE CONFERENCE:

AMME'2009 Conference Secretariat Institute of Engineering Materials and Biomaterials, Silesian University of Technology
ul. Konarskiego 18a (room 366),
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On-line registration and detailed information
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