

## Scientific Events in 2012

### 1. THE 4<sup>th</sup> INTERNATIONAL CONFERENCE ON MATERIALS SCIENCE AND TECHNOLOGIES – ROMAT 2012 17–19 October, 2012, Bucuresti, ROMANIA

On behalf of the Organizing Committee, we are honored to invite you to participate and submit a paper at the 4<sup>th</sup> INTERNATIONAL CONFERENCE ON MATERIALS SCIENCE AND TECHNOLOGIES – ROMAT 2012 organized by POLITEHNICA University of Bucharest - Materials Science and Engineering Faculty in association with Bucharest Chamber of Commerce and Industry.

We are convinced that your presence will particularly contribute to a high level of the conference and it is an occasion to achieve an efficient idea and information exchanges for further development of this field.

The 4<sup>th</sup> INTERNATIONAL CONFERENCE ON MATERIALS SCIENCE AND TECHNOLOGIES aims to providing a forum for presentation and discussion of scientific research, technological development and practice on the subjects of advanced materials and technologies, materials characterization, environmental protection in materials industry, economics and management in materials industry.

The Conference is jointly organized by the POLITEHNICA University of Bucharest, Materials Science and Engineering Faculty and Bucharest Chamber of Commerce and Industry.

The Conference topics will cover the following fields:

- ADVANCED MATERIALS AND TECHNOLOGIES: Ferrous and Non-ferrous Metallurgy; Materials Engineering; Materials Processing; Nanomaterials; Casting-solidification; Biomaterials and Medical Devices;
- MATERIALS CHARACTERIZATION: Characterization of Microstructure and Material Properties; Functional Materials Modeling; Nucleation, Microstructure Evolution and Phase Transition; Interface Dominated Mechanical Properties; Nanostructured Coatings, Surfaces & Films
- ENVIRONMENTAL PROTECTION IN MATERIALS INDUSTRY: Advanced Techniques for Industrial Effluent Treatment; Environment Management ; Instruments under Sustainable Development Requirements; Solutions for Re-use of By-products and Wastes; Health and Environment
- ECONOMICS AND MANAGEMENT IN MATERIALS INDUSTRY: Globalization and Prospects on Regional Metallurgy; The Complementarity – Definition Criterion for Industrial Strategies; The Competitiveness – Fundamental Component of Industrial Policies

The Conference work will be organized in sessions, including plenary lectures and oral presentations.

Detailed informations here: <http://www.romat2012.eu/>

### 2. THE 4<sup>th</sup> INTERNATIONAL SCIENTIFIC AND EXPERT CONFERENCE – TEAM 2012 (TECHNIQUE, EDUCATION, AGRICULTURE & MANAGEMENT) 17 – 19 October, 2012, Slavonski Brod, CROATIA

The International TEAM Society in cooperation with Mechanical Engineering Faculty in Slavonski Brod, Josip Juraj Strossmayer University of Osijek is honoured to invite you to the 4th International Scientific and Expert Conference TEAM 2012 in the city of Slavonski Brod.

Aim and Scope of the conference: Transfer of Knowledge and Dissemination of Achievements Mobility of Teachers and International Cooperation Interdisciplinary Approach on Development.

Topics: Section 1: PRODUCTION ENGINEERING

- Advanced manufacturing technologies
- Industrial logistics
- Material science
- Product design and product development

Section 2: KNOWLEDGE TRANSFER

- Computer technologies and applications
- Education, engineering, pedagogy and didactics
- Kinesiologic education in the function of health prevention
- Mobility in education

Section 3: BIOTECHNOLOGY IN AGRICULTURAL ENVIRONMENT

- Advanced technology and technics in agriculture
- Agroecology and organic farming
- Landscape architecture and decoration
- Plant protection
- Wine and fruit production

Section 4: MARKET-ORIENTED MANAGEMENT

- Cost management
- Knowledge management
- Innovation management
- EU funding
- New opportunities in financial entrepreneurship

We believe that the conference will provide an open forum for scholar students, academicians, researchers or scientists and insure the exchange of experiences and research results on various aspects and application areas. Conference also gives an excellent opportunity to establish useful professional and research contacts with foreign colleagues and begin a common cooperation between universities and research centers.

Detailed informations here: <http://team2012.sfsb.hr/index.html>

### 3. THE 1<sup>st</sup> INTERNATIONAL SCIENTIFIC CONFERENCE – COMETA 2012 – CONFERENCE ON MECHANICAL ENGINEERING TECHNOLOGIES AND APPLICATIONS 28 – 30 November, 2012, Jahorina, BOSNIA&HERZEGOVINA

Faculty of Mechanical Engineering University of East Sarajevo initiates first international conference COMETA 2012, with aims to contribute to the implementation of new technologies into production processes as well as achieving better cooperation between scientific research institutions and enterprises.

Conference topics:

- Production technologies
- Development and design of mechanic systems and components
- Modeling and simulation of objects and processes
- Mechatronics
- Advanced materials, heat treatment, fracture mechanics
- Advanced methods of measurement and control of technical systems
- Energy efficiency in industry and buildings
- Renewable energies and advanced energy technologies
- Thermo technique and thermal energy
- Maintenance of technical systems
- Monitoring and diagnostic of technical systems
- Quality and integrated management systems (IMS)
- Manufacturing systems, organization and management
- Information technologies and intelligent systems
- Environmental protection
- Education of developers
- Student section

Faculty of Mechanical Engineering East Sarajevo initiates first international conference COMETA 2012, with aims to contribute to the implementation of new technologies into production processes as well as achieving better cooperation between scientific research institutions and enterprises. Production in developed countries is based on the modernization and optimization of manufacturing processes with the use of advanced technologies that are result from scientific researches. The application of new technologies enables more efficient production and competitiveness of enterprises in the global market, where couple with scientific research institutions is very important.

The main goal of this conference is to bring together renowned national and international experts in the field of research and application of new technologies and development of mechanical systems, for sharing experiences and knowledge. Moreover, public presentations of actual researches and new construction solutions improve the competitiveness of the economy in region.

We have great pleasure to invite all interested scientific research institutions and businesses to actively participate and with their papers contribute to successfully organizing of this scientific conference. Detailed informations here: <http://www.ues.rs.ba/en/university/international-cooperation/scientific-conferences-and-meetings/cometa-2012>

### 4. THE 2<sup>nd</sup> INTERNATIONAL CONFERENCE ON CIVIL ENGINEERING AND BUILDING MATERIAL – CEBM 2012 17 – 18 November, 2012, Hong Kong

The 2<sup>nd</sup> International Conference on Civil Engineering and Building Material (CEBM 2012) will be held in Hong Kong from November 17-18, 2012. It is a premium international conference covers all areas related to the Theory, Development, Applications, Experiences and Evaluation of Civil Engineering and Building Materials and gathers fellow students, researchers and practitioners in these fields from all around the world.

The conference will continue the excellent tradition of gathering world-class researchers, engineers and educators engaged in the fields of Civil Engineering and Building Materials to meet and present their latest activities. You are cordially invited to attend this interesting event. This conference is co-sponsored by Asia Civil Engineering Association, the International Association for Scientific and High Technology and International Science and Engineering Research Center.

The idea of the conference is for the scientists, scholars, engineers and students from the Universities all around the world and the industry to present ongoing research activities, and hence to foster research relations between the Universities and the industry. This conference provides opportunities for the delegates to exchange new ideas and application experiences face to face, to establish business or research relations and to find global partners for future collaboration.

Topics of Conference :

- \* Structural engineering
- \* Road & Bridge engineering
- \* Geotechnical engineering
- \* Architecture & Urban planning
- \* Transportation engineering
- \* Hydraulic engineering
- \* Coastal Engineering
- \* Engineering Management
- \* Computational Mechanics
- \* Construction technology
- \* Building materials
- \* Environmental engineering
- \* Computer simulation and CAD/CAE

Detailed informations here: <http://www.iasht.org/cebm/>

### 5. INTERNATIONAL CONFERENCE ON MANUFACTURING – MANUFACTURING 2012 14 – 15 November, Macau, CHINA

Manufacturing 2012 will be the most comprehensive conference focused on the various aspects of advances in Manufacturing and Materials Science. This Conference provides a chance for academic and industry professionals to discuss recent progress in the area of Manufacturing and Materials Science. Furthermore, we expect that the conference and its publications will be a trigger for further related research and technology improvements in this important subject.

The goal of this conference is to bring together the researchers from academia and industry as well as practitioners to share ideas, problems and solutions relating to the multifaceted aspects of Manufacturing and Materials Science.

Detailed informations here: <http://manufacturing2012.org/index.htm>

## 6. INTERNATIONAL CONFERENCE ON MANUFACTURING ENGINEERING AND TECHNOLOGY FOR MANUFACTURING GROWTH – METMG 2012 1 – 2 November, 2012, San Diego, USA

METMG 2012 will be the most comprehensive Conference focused on the various aspects of advances in Manufacturing Engineering and Technology for Manufacturing Growth. Our Conference provides a chance for academic and industry professionals to discuss recent progress in the area of Manufacturing Engineering and Technology for Manufacturing Growth. Topic:

- Computer Aided Design and Manufacturing and related topics
- Material Forming Processes and related topics
- Machining Technology and related topics
- Welding Technology and related topics
- Metallurgical Manufacturing Processes and related topics
- Automation in Manufacturing and related topics
- Micro and Nano Fabrications and related topics

Detailed informations here: <http://metmg-conf.org/>

## 7. INTERNATIONAL CONFERENCE ON APPLIED PHYSICS AND MATERIALS SCIENCE – APMS 2012 5 – 6 October, 2012, Dalian, CHINA

APMS 2012 will be the most comprehensive conference focused on the various aspects of advances in Applied Physics and Materials Science. Our Conference provides a chance for academic and industry professionals to discuss recent progress in the area of Information Technology, Applied Physics and Materials Science.

The goal of this conference is to bring together the researchers from academia and industry as well as practitioners to share ideas, problems and solutions relating to the multifaceted aspects of Information Technology, Applied Physics and Materials Science.

Detailed informations here: <http://www.apms-conf.org/index.htm>

## 8. INTERNATIONAL CONFERENCE ON BIOMATERIAL AND BIOENGINEERING – ICBB 2012 19 – 20 December, 2012, Hong Kong

We are delighted to invite you to participate in 2012 International Conference on Biomaterial and Bioengineering (ICBB 2012) in Hong Kong, and December 19-20, 2012. The objective of ICBB 2012 is to provide a forum for researchers, educators, engineers, and government officials involved in the general areas of Biomaterial and Bioengineering to disseminate their latest research results and exchange views on the future research directions of these fields.

Topics:

- Material Science and Engineering
- Biomaterial and Bioengineering
- Mechanical and Manufacturing Engineering

The ICBB conference provides a forum for engineers and scientists in academia, industry, and government to address profound issues including technical challenges, safety, social, legal, political, and economic issues, and to present and discuss their ideas, results, work in progress and experience on all aspects of Biomaterial and Bioengineering.

Detailed informations here: <http://www.icbb-conf.org/>

## 9. INTERNATIONAL CONFERENCE ON FRONTIERS OF MECHANICAL ENGINEERING, MATERIALS AND ENERGY – ICFMEME 2012 20 – 21 December, 2012, Beijing, CHINA

ICFMEME 2012 is one of the leading international conferences for presenting novel and fundamental advances in the fields of Mechanical Engineering, Materials and Energy. The purpose of the conference is for the scientists, scholars, engineers and students from the universities and the research institutes all around the world to present ongoing research activities, and hence to foster research relations.

Topics:

- (T1) Materials Science and Engineering
- (T2) Materials Properties, Measuring Methods and Applications
- (T3) Methodology of Research and Analysis and Modelling
- (T4) Materials Manufacturing and Processing
- (T5) MEMS, NANO, and Smart Systems-on-Chip
- (T6) Energy Systems
- (T7) Mechatronics, Automation and Signal Processing

This conference provides opportunities for the delegates to exchange new ideas and application experiences face to face, to establish research or business relations and to find global partners for future collaboration. It also serves to foster communication among researchers and practitioners working in a wide variety of scientific areas with a common interest in improving Mechanical Engineering, Materials and Energy related techniques.

Detailed informations here: <http://www.icfmeme.org/>

## 10. INTERNATIONAL CONFERENCE ON ENVIRONMENTAL AND MATERIALS ENGINEERING – EME 2012 9 – 10 December, 2012, Seoul, KOREA

We are delighted to invite you to participate in 2012 International Conference on Environmental and Materials Engineering (EME 2012) in Seoul, Korea, and December 9-10, 2012. The objective of EME 2012 is to provide a forum for researchers, educators, engineers, and government officials involved in the general areas of Environmental and Materials Engineering to disseminate their latest research results and exchange views on the future research directions of these fields.

Topics:

- Environmental Science and Engineering
- Material Science and Engineering
- Mechanical and Manufacturing Engineering

The EME conference provides a forum for engineers and scientists in academia, industry, and government to address profound issues including technical challenges, safety, social, legal, political, and economic issues, and to present and discuss their ideas, results, work in progress and experience on all aspects of Environmental and Materials Engineering.

Detailed informations here: <http://www.eme-conf.org/index.htm>

## 11. CENTRAL EUROPEAN CONFERENCE ON LOGISTICS – CECOL 2012 28 – 30 November, 2012, Trnava, SLOVAKIA

As a result of the scientific collaboration among higher education centers of the central European zone and two previous successful editions held in Miskolc, Hungary (2010) and Częstochowa, Poland (2011), the Institute of Production Systems and Applied Mechanics, belonging to the Faculty of Materials Sciences and Technology (MTF) is proud to announce that the 2012 Central European Conference on Logistics (CECOL 2012) will be held in the city of Trnava, Slovak Republic, during November 28th-30th, 2012.

The CECOL 2012 will provide a high-level international platform for academicians and practitioners from all over the world, to present their research results and development activities in the broad field of Logistics.

Topics of interest for the conference should be related but not limited to:

1. Manufacturing process design, optimization and control
2. Manufacturing automation
3. Manufacturing process simulations
4. Analysis of the material flow
5. Maintenance
6. Production planning
7. Production scheduling
8. New teaching and research approaches
9. Intelligent Manufacturing systems and cells
10. Robot implementation into the logistic processes
11. Among others

Detailed informations here: [http://www.mtf.stuba.sk/docs/doc/aktuality/2012/Call\\_for\\_papers\\_cecol\\_2012.pdf](http://www.mtf.stuba.sk/docs/doc/aktuality/2012/Call_for_papers_cecol_2012.pdf)

## 12. THE 9<sup>th</sup> NATIONAL CONFERENCE ON TRIBOLOGY WITH INTERNATIONAL PARTICIPATION – BULTRIB'12 18 – 20 October 2012, Sofia, BULGARIA

The Society of Bulgarian Tribologists and the Faculty of Machine Technologies at the Technical University - Sofia organize the annual Tribological Conference with international participation BULTRIB'12 in the Technical University - Sofia.

Topics:

- Contact interaction
- Tribomechanics and tribotechnics
- Tribomaterials & coatings
- Tribochemistry & tribotechnology
- Lubrication & lubricants
- Tribometry & triboinformatics
- Nano and micro Tribology
- Tribology, industry, ecology
- Tribotechnology & education

The Conference BULTRIB'12 is organized together with the biannual Conference with international participation AMTECH'12. The conferences AMTECH are the scientific forum of the Faculties of Machine Technology and Machine Building at the Technical Universities in Sofia, Plovdiv, Russe, Varna and Gabrovo. The topics of AMTECH embrace: machine technology, material science and material technology, theory of mechanisms, machines and automatic lines, virtual engineering, actual problems of quality management, tribology. The Faculty of Machine Technology at the Technical University – Sofia will host the tenth Conference AMTECH'12 and the ninth Conference BULTRIB'12 in the period 19-20 October 2012.

Detailed informations here: <http://www.bultrib.com>



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