



**THE 6<sup>th</sup> INTERNATIONAL CONFERENCE ON  
MANUFACTURING SYSTEMS – ICMS 2011**  
20 – 21 October 2011  
Iasi, ROMANIA

**INVITATION:**

Machine Tools Department from Machine Manufacturing & Industrial Management Faculty, “Gheorghe Asachi” Technical University of Iasi, organizes, since 2001, the International Conference on Manufacturing Systems. The main purpose of the Conference is to create an academic forum for scientific debates regarding the manufacturing systems. Moreover, considering the structural and functional complexity of these systems and, also, their multiple connections to other industrial systems, the Conference is equally assigned to specialists in connected areas.

Because an engineer must achieve four basic functions - knows a technique, applies a technique, leads a team of specialists and creates a new technique - the papers included in 6th ICMS Conference will present results of applicative and fundamental researches in industrial/mechanical engineering, management and innovation.

We kindly invite you at the 2011 edition of our ICMS Conference, having confidence that it will come into a good occasion to better know each other, to exchange scientific opinions and to make new connections between the specialists in manufacturing systems.

Conference Proceedings will be published in “**BULETINUL I.P.Iasi.**”, **Machine Manufacturing Series**, edited by the “**Gheorghe Asachi**” Technical University of Iasi. The journal is classified as **B+ category** by the National University Research Council (CNCSIS) of the Romanian Ministry of Education and Research and also indexed into **Index Copernicus Database** and **Ulrichsweb Database**.

It will be a great pleasure for us to receive and publish your papers and also to welcome you in Iasi on October 2011.

**TOPICS:**

Topics include, but are not limited to:

Abrasives; Assembly & Disassembly; Automation in Manufacturing; Automotive Industry; Autonomous & Adaptive Control Systems; Advanced Modeling Techniques; Agile Manufacturing; Artificial Intelligence in Manufacturing Systems; Agent-based Manufacturing Systems; Artificial Intelligence Methods for Manufacturing; AS/RS; Automated Manufacturing Systems; Biomechanics; Bioengineering Statics & Dynamics; CAD/CAPP/PPC/CAM/CAQ/CAE; CAx-Technologies; CIM Collaborative Engineering; Computers in Manufacturing; Computational Methods & Optimization in Manufacturing; Concurrent Engineering; Cutting and Forming Tools; Control Strategies & Algorithms; Data Fusion Sensors in Manufacturing; Design Optimization; Design Automation Diagnosis & Performance Monitoring; Diagnosis & Performance Monitoring; Driving Systems; Decision Making Design;

Ecodesign in Manufacturing; Experimental Techniques; Expert Systems in Manufacturing; Fixtures; Flexible Manufacturing Systems; Fluid Processing Equipment; Forming Technologies; Fuzzy Control & Systems Genetic Algorithms; Gearing; Globalization & Technology; Grinding & Finishing; Hybrid Manufacturing Processes &



Systems; Hydro pneumatic systems; High Speed Machining; Human Computer Interaction/ Human Machine Interface;  
Industrial Automation; Industrial Logistics; Industrial Robots; Industrial Cleaning & Surface Preparation;  
Industrial Machine Safeguarding; Innovation Strategies; Innovation Management; Intelligent & Smart Machining  
Systems; International Scientific, Technical & Academic Cooperation; Internet Solutions in Manufacturing;  
Inspection Tools & Instruments for Manufacturing; Knowledge-Based Technology; Lean Manufacturing; Learning/  
Reasoning Systems; Learning Machine Tools;  
Machine Tools; Machine Tools Accessories; Machine Tool and & FMS Control; Machine & Robot Applications;  
Maintenance & Repair; Management & Marketing in Manufacturing Systems; Manufacturing Technologies;  
Manufacturing Equipment & Components; Mechatronic Systems; Metal Forming Processing; Man-Machine  
Systems; Management Manufacturing; Manufacturing Process Control; Manufacturing Process Planning; Mobile  
Robots, AGV; Modeling, Modern Methods; Modeling & Computation in Bioengineering;  
Network Technologies in Manufacturing; New Manufacturing Paradigms; Non-Conventional Machining; Optimal  
Design; PDM/PLM; Production Planning; Precision Engineering; Process Modeling & Monitoring; Prototyping;  
Process Control; Process Planning; Product Modeling; Production Engineering; Production Planning & Scheduling;  
Programming Quality Management; Prothetics;  
Re-engineering; Reliability Assurance; Retrofitting; Rapid Prototyping; Reliability/Safety/ Stability; Reasoning  
Reliability; Robot Applications; Safety; Scheduling Self-Organizing Systems; Sensors & Actuators for  
Manufacturing Systems; Surface Generation;  
Simulation in Manufacturing Systems; Transmissions; Teleoperation Tools in Manufacturing; TQM Trends in  
Manufacturing & Automation; Unconventional Technologies; Vibrations; Virtual Manufacturing; Vision Systems  
in Manufacturing.

#### SECTIONS

Machine Tools and Advanced Manufacturing Systems  
Manufacturing and Process Equipment  
Management, Quality and Innovation  
Manufacturing Automation and Control Systems  
Hydropneumatic and Electrical Systems  
Biomechanics and Bioengineering

#### CONTACT S

**Prof. Mircea MIHAILIDE, Ph.D**  
Email: [mmihailide@yahoo.com](mailto:mmihailide@yahoo.com)  
Mobile: +40.742.956.356  
**Assoc. prof. Irina COZMINCA, Ph.D**  
E-mail: [irinacozminca@yahoo.com](mailto:irinacozminca@yahoo.com)  
Mobile: +40.742.354.020  
“Gh. Asachi” Technical University of Iasi,  
Machine Tools Department  
59A, Prof. Dimitrie Mangeron Blvd,  
RO 700050, Iasi, ROMANIA  
Phone. +40 232 278683/ ext. 2283, 2221  
Fax : +40 232 242109

