

Foreword

As engineers and / or scientists, but also as inhabitants of planet Earth, we could remark an increasing attention given manufacturing technologies, due to their important role in ensuring continuous development of human society.

Thus, it was natural that the researchers direct their efforts toward investigating and improving manufacturing technologies. It was also normal that researchers want to exchange information among them, be up to date with what's new in the field of manufacturing technologies. The conference tries to adequately answer to such goals.

Nowadays, the conference is jointly organized by the similar departments from the universities from Iași, Brașov, Cluj, Pitești, Galați, București (România), Chișinău (Republic of Moldova), and by Departments of Machine Manufacturing Technology /Manufacturing Engineering and the Precision Micro-Machining Center from the University of Toledo (U.S.A.). The conference objective is suggested inclusively by the general title of the scientific event: Innovative Manufacturing Engineering (IManE).

The conference organizers wanted to continue the tradition started nearly 15 years ago, when the head of department of Iasi, Professor Octavian Pruteanu, organized the first conference, called "Modern Technologies in Machine Manufacturing" (whose abbreviation in the Romanian language is TMCM). Since 1999, conferences have been held annually, successively, in Romania and in Republic of Moldova, so that, at present, we can talk about a real tradition of conferences organized by researchers from universities located on both banks of the Prut River. Between 1999 and 2008, the conference changed his title in "Modern technologies, quality, restructuring" (TMCR) and, from 2009 to 2012, the conference had the title „Modern Technologies, Quality and Innovation” (ModTech). From 2013, the name of the conference was changed in „Innovative Manufacturing Engineering” (IManE).

IManE 2015 conference was planned to take place in Iasi, in circumstances when the Department of Machine Manufacturing Technology of Iasi celebrates fulfillment in 2014 of the 50th anniversary of its foundation (foundation in 1964).The conference organizers have received a large number of abstracts (more than 330) for papers proposed to be communicated and published in the conference. After reviewing process, more than 250 papers were accepted and they will be presented and published in the conference proceedings.

We hope that, similarly to the previous conferences, the conference will be a useful and enjoyable opportunity for participants and it will provide new opportunities for developing a useful exchange of technical and scientific opinions among participants.

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Professional Association

Romanian Association for Nonconventional Technologies

AUIF - Academic Association of Manufacturing Engineering

ASTCM - Association of Manufacturing Engineering Students and Alumni

Keynote speakers

Prof. Loredana SANTO,

University of Rome “Tor Vergata”, ITALY

Self-repairing Behavior of Shape Memory Composites

Prof. Grzegorz KRÓLCZYK,

Opole University, POLAND

Surface Morphology in Production Processes in Context of Metal Forming

Prof. Ioan MARINESCU,

University of Toledo, USA

Research & Development, the Key for Success in Academia

Dr. Adrian HOMUTESCU,

Continental Automotive ROMÂNIA

Regenerative Drum Brake Concept

Prof. Birgit Kjærside STORM,

Embla/Aalborg University, DENMARK

From Fishing Net to Granules and Recycled Steel - An Eco innovation project

Prof. Marius SPIROIU, Bogdan ABAZA and Marian GHEORGHE,

Politehnica University of Bucharest, ROMÂNIA

Achievements of the Partnership between Politehnica University of Bucharest and Renault Technologie Roumanie

Prof. Apostolos KORLOS,

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