

Preface

The 7th International Conference of Advanced Manufacturing ICAMaT 2014 was held under the high patronage of the Romanian Academy, on 23 - 24 October 2014, in Bucharest, Romania, at the POLITEHNICA University of Bucharest, Faculty of Engineering and Management of Technological Systems (IMST), with the participation of experts from Romania, France, Czech Republic, Bulgaria, Iraq etc.

The Conference was held in parallel with other three Conferences organized by the IMST Faculty, ICNcT 2014 – The 17th International Conference of Nonconventional Technologies, POLCOM 2014 – The International Conference of Technology for Polymeric and Composites Products, ROBOTICS 2014 – The 6th International Conference on Robotics, that were held in honor of the twofold anniversary: 60 years anniversary of the Manufacturing Engineering Department (TCM) from POLITEHNICA University of Bucharest and 15 years since the first Conference on Advanced Manufacturing Technologies – ICAMaT was launched.

The first ICAMaT Conference was held in 1999 under the acronym CITAF (derived from the abbreviation in Romanian) at the initiative of the Manufacturing Engineering Department (TCM) and had a national character. The following Conference sessions were held at every two years and attracted increasingly more specialists.

Since 2005, with the clear prospect of Romania's accession to the European Union, the conference takes on an international character and changes its name to ICAMaT - International Conference on Advanced Manufacturing Technologies. Since its first edition, the Conference session has continuously evolved, by increasing the number of participants from the country and abroad, as well as the number of published papers.

The Manufacturing Engineering Department, which is part of the Faculty of Engineering and Management of Technological Systems, was established in September 1954 with the support of Professor Constantin POPOVICI, mentor and promoter of the TCM study programmes in Romania. Gradually, due to the hard work of several generations of specialists, regardless of political regimes and current policies, this specialization became one of the strongest brands in the higher education and industry of Romania.

The Conference successfully brought together engineers, researchers and professors, specialists in various fields, such as Product Development, CAD, CAM, CAE, CIM Techniques and Concurrent Engineering, Cutting Processes, Cutting Tools and Forming Technologies, Manufacturing Technologies, Technological Equipment and Automation, Management, Marketing, Production Planning and Production Quality. Experts from Romania, France, Czech Republic and Bulgaria have come up in plenary sessions with valuable works which contributed to the increase in the scientific level of the Conference.

109 articles were initially entered and, after review, were accepted and presented 96 articles. Reviewers, who remained anonymous for the Authors, obviously had a remarkable contribution in reviewing the manuscripts and made valuable suggestions which led to a higher quality of the Conference works. The Editors would like to express their sincere and grateful thanks to all reviewers.

Last but not least, we wish to express our gratitude to the ICAMaT Conference sponsors: SC Cenit SRL, SC UNISON ENGINE COMPONENTS SA, SC AEROTEH SA și S.C. AGROSAN PROD S.R.L.

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