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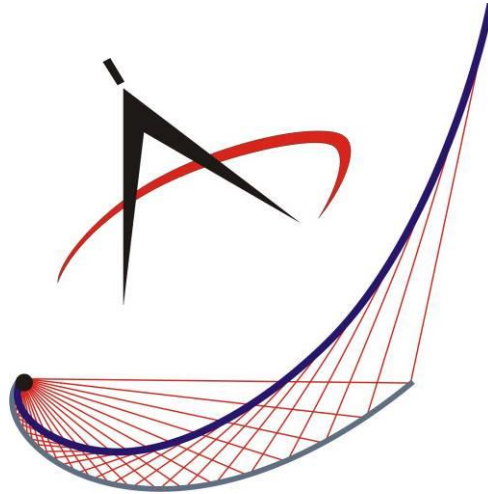
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Modern Technologies as a Manufacture Target in the Near Future

Topics:

- ✓ Micro and Nanotechnologies; ✓ Rapid Prototyping Technologies; ✓ High Speed Manufacturing Processes; ✓ Ecological Technologies in Machine Manufacturing; ✓ Manufacturing and Automation; ✓ Flexible Manufacturing; ✓ New Manufacturing Processes: Design, Control and Exploitation; ✓ Assembly and Disassembly; ✓ Cold Forming Technologies; ✓ Optimization of Experimental Research and Manufacturing Processes; ✓ Maintenance, Reliability, Life Cycle, Time and Cost; ✓ CAD/CAM/CAE/CAX Integrated Systems; ✓ Composite Materials Technologies; ✓ Concurrent Engineering; ✓ Non-conventional Technologies; ✓ Virtual Manufacturing; ✓ Innovation, Creativity and Industrial Development; ✓ Manufacturing Systems; ✓ Welding Technologies; ✓ Industrial Design; ✓ Gear Design and Technologies.



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Special Issue

Modern Technologies as a Manufacture Target in the Near Future

Preface

The 7th edition of ModTech International Conference that took place on 19-22 June at Ramada Hotel, Iasi, Romania, was organized by ModTech Professional Association and “Gheorghe Asachi” Technical University of Iasi as the main co-organizer.

This edition’s co-organizers also included: the Academy of Technical Sciences of Romania; the Society of Powder Technology of Japan; Silesian University of Technology of Gliwice, Poland; “Alecu Russo” University of Balti, Republic of Moldova; the Academy of Sciences of Moldova, Republic of Moldova; “Vasile Alecsandri” University of Bacau, Romania; "Dunarea de Jos" University of Galati, Romania; "Lucian Blaga" University of Sibiu, Romania; "Stefan cel Mare" University of Suceava, Romania; the General Association of Engineers in Romania and Constanta Maritime University, Romania.

The 7th edition brought together participants from 23 countries, such as: Japan, India, Germany, France, Poland, Serbia, Republic of Moldova, Netherlands, Croatia, Romania, Mexico, Italy, Ireland, United Kingdom, Australia, Greece, Turkey, Malaysia, Czech Republic, Iraq, Iran, Spain and Russia.

The ModTech2019 conference hosted 151 specialists from all over the world in the field of modern material manufacture and processing technologies who made interesting presentations about the latest information on the research topics tackled by the conference.

The papers presented by the participants both during the three plenary sessions and in the different sections have dealt with the following topics: engineering of manufacturing processes; advances in composite materials and technologies; characterization, modelling and simulation of mechanical processes; robotics and computer integrated manufacturing; technology transfer; micro- and nano-technologies; maritime engineering and navigation.

In this special issue of the *International Journal of Modern Manufacturing Technologies* (IJMMT), forefront research on various aspects of *Modern Technologies as a Manufacture Target in the Near Future* is illustrated by selected peer-reviewed papers out of a large number of papers received for the conference. All of the papers submitted to the ModTech2019 International Conference were first subjected to examination by at least two independent reviewers prior to the conference. The papers selected subsequently underwent a second round of peer-reviewing. This special issue of IJMMT contains 23 high quality papers selected upon completion of the reviewers’ comments. The articles included in this special issue cover a large spectrum on current research activities of engineering, technologies and materials. We hope that the readers will find the articles to their liking, and thus pursue a more thorough investigation of the issues presented. We are extremely grateful to the contributors as well as the reviewers for their wholehearted cooperation and support.

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