

# The 11<sup>th</sup> International Conference INTER-ENG 2017 Interdisciplinarity in Engineering 5 - 6 October 2017 "Petru Maior" University of Tîrgu-Mureş Romania

Home	Call for papers	Committees	Submission	Virtual presentation	Registration
Keynote Speakers	Technical Program	Travel & Accomodation	Venue	Conference Publication	Post-conference

## Welcome

It is with great pleasure that the "Petru Maior" University of Tîrgu-Mureş - Faculty of Engineering in collaboration with Romanian Academy of Technical Sciences and Egypt-Japan University of Science and Technology invites you to the International Conference Interdisciplinarity in Engineering INTER-ENG 2017. The conference will be jointly organized and hosted by the Department of Industrial Engineering and Management and the Department of Electrical Engineering and Computer Science of "Petru Maior" University of Tîrgu-Mureş.

The main theme of the Conference is announced as:

**"Global trends in manufacturing technologies which create a path to tomorrow's innovations"**

The conference scope is to provide a professional and scientific forum for engineers and research scientists from universities, research centers and industry to present research works, contributions and recent developments as well as current practices in engineering.

The INTER-ENG conference will also offer the opportunity for companies in engineering to present their products and services.

The scope of the conference includes, but is not limited to the following major topics as they relate to the industrial and electrical engineering and industrial management:

- Advanced manufacturing technology
- Virtual manufacturing design technology
- Lean manufacturing
- Additive manufacturing
- CAD/CAM/CAE integrated systems
- Manufacturing tools and equipment
- Advanced materials, biomaterials and nano-technologies
- Remanufacturing, reuse and recycling
- Sustainable manufacturing
- Manufacturing processes optimization techniques
- Quality control in manufacturing
- Modern trends in manufacturing processes management
- Education for sustainable manufacturing
- Innovative products, technologies and manufacturing processes in civil engineering
- Manufacturing process control
- Manufacturing systems and automation
- Electronics and electrotechnologies
- Information systems technology
- Real time systems and applied informatics
- Advanced software technology
- Intelligent systems and technologies
- Parallel and distributed computing technology
- Power and energy systems
- Renewable energy management and technologies
- Energy Efficiency Technologies

**We have a view of what may shape the future: unlocking the potential of manufacturing technology must begin today and go straight to the core of companies' strategy**

Technology changes are all around us, coming faster than ever. Yet, we can no longer be waiting and wondering how the latest technology innovations will change things; rather, we are taking control and shaping technology to fit societal needs.

Future technology is also likely to require a high degree of compliance management. Many new technologies will require additional government regulation, while others, such as the internet supported technologies, will require government support.

New and emerging manufacturing technologies will change the profile of workforce skills and abilities, creating demand for technological skill sets. The worldwide competition for qualified staff in science, technology, and engineering has been at its highest level since the global financial crisis.

One of the essential foundations for creating a successful industrial company over the long term is to identify manufacturing technological trends from an early stage and to exploit the opportunities that new technologies offer for product innovations.

Manufacturing technology is an increasingly important element in the business of industrial companies. Its impact is complex and there is a need to integrate it into the strategic management process. This implies that business management has to accept a wide role for the technology in the formulation of strategy, and also that technical management must broaden its approach to the strategic management of manufacturing technology.

The great extent of the technological progress dynamic nature makes it increasingly difficult for industrial companies to comprehensively identify technology-related opportunities and to exploit them in a goal-oriented manner.

## Publisher of the INTER-ENG 2017 Conference Proceedings



## Previous edition

INTER-ENG 2015, The 9<sup>th</sup> edition of the International Conference on Interdisciplinarity in Engineering

Proceedings of the The 9<sup>th</sup>

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## Conference publications

Proceedings of the International Conference on Interdisciplinarity in Engineering.

## Important dates

Deadline for Extended Abstract submission:

April 2<sup>nd</sup>, 2017

Deadline for Abstract Acceptance/rejection:

April 23<sup>th</sup>, 2017

Deadline for papers submission:

May 21<sup>st</sup>, 2017

Authors notification of acceptance:

June 18<sup>th</sup>, 2017

Camera-ready papers:

July 2<sup>nd</sup>, 2017

Authors registration:

September 18<sup>th</sup> - 17<sup>th</sup>, 2017

INTER-ENG 2017 Conference:

October 5<sup>th</sup> - 6<sup>th</sup>, 2017

## News

The Proceedings of the 9th edition of the International Conference on Interdisciplinarity in Engineering, have been indexed by Thomson Reuters Conference Proceedings Citation Index-

## Contact Information

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Preparing for the next wave of innovations is largely being driven by a rapidly changing manufacturing technology landscape. It will enhance and extend companies efficiency through technological transformation.

Making investments in new manufacturing technologies before they are fully proven is increasingly becoming a differentiator for companies.

The ability of an industrial company to rapidly and efficiently align to the requirements of the market with the potential offered by new technologies and to integrate them in its own processes is a prerequisite key for successful manufacturing technology development that create a path to tomorrow's innovations.

We are looking forward to welcome you in Tirgu-Mures!

**Prof.dr.eng.habil. Liviu MOLDOVAN**

President of the Scientific Committee

Vice-Rector of "Petru Maior" University of Tirgu-Mures, Romania

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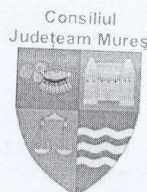
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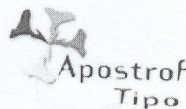
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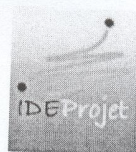
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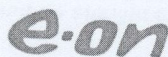


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