

## Preface

This year Athens, Greece is hosting the International Congress on Precision Machining (ICPM), organized for the 9<sup>th</sup> time. The history of the Congress goes back to 2001, when the J.E. Purkyne University in Usti nad Labem (Czech Republic) organized the first of the series. ICPM is a biennial event supported continuously by the ICPM board, with its commitment towards maintaining the respect of the profession.

The previous Congress hosts were:

- 1<sup>st</sup> ICPM 2001 J.E. Purkyne University, Usti nad Labem, Czech Republic.
- 2<sup>nd</sup> ICPM 2003 Technical University, Prague, Czech Republic.
- 3<sup>rd</sup> ICPM 2005 Vienna University of Technology, Vienna, Austria.
- 4<sup>th</sup> ICPM 2007 Kielce University, Sandomierz, Poland.
- 5<sup>th</sup> ICPM 2009 Technical University Kosice, Vysoke Tatry, Slovakia.
- 6<sup>th</sup> ICPM 2011 Liverpool John Moores University, Liverpool, United Kingdom.
- 7<sup>th</sup> ICPM 2013 University of Miskolc, Miskolc, Hungary.
- 8<sup>th</sup> ICPM 2015 University of Novi Sad, Novi Sad, Serbia.

The aim of the Congress is to bring together professionals working in the same field to provide an opportunity to exchange views and the newest results in scientific research, thus enriching and possibly amplifying one another's achievements.

The issues of the ICPM cover a wide range of precision machining and processes as well as related topics such as precision machining, micro- and nano-machining, cutting tools, analysis of surfaces and machining accuracy, modeling and simulation, abrasive processes, non-conventional machining, manufacturing systems for precision machining, production and assembly and precision engineering and applications. The major goal of the Congress is to search for methods to provide increased quality, endurance and reliability of products at reduced production and assembly costs.

For the fulfillment of this goal, the Congress has been generously supported by the Section of Manufacturing Technology of the School of Mechanical Engineering, National Technical University of Athens. Special thanks are due to the organizers of the Congress, to the members of the Scientific Committee and, last but not least, to the reviewers.

Let us express our gratitude to all of the supporters and to all of our colleagues, who have wholeheartedly worked towards the success of ICPM in Athens. We believe that all the participants had a pleasant time in Greece, made new professional contacts and acquired inspiration for the tasks ahead.

Athens, September 2017

Ass. Prof. Dr. Angelos P. Markopoulos      Prof. Dr. George-Christopher Vosniakos  
Chairman of the Congress      Co-Chairman of the Congress

# Committees

**Congress Chairman:** As. Professor Angelos P. Markopoulos

**Congress Co-Chairman:** Professor George-Christopher Vosniakos

**Congress Secretary:** Dr. Protesilaos Kostazos

## ICPM Honorary Board (HB)

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Prof. Dr. Pavel Kovač, 8<sup>th</sup> ICPM, University of Novi Sad, Novi Sad, SRB

## International Scientific Committee (ISC)

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