

# Journal of Mechanics of Materials and Structures

## PREFACE

Bogdan T. Maruszewski, Wolfgang Muschik, Joseph N. Grima  
and Krzysztof W. Wojciechowski

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## PREFACE

BOGDAN T. MARUSZEWSKI, WOLFGANG MUSCHIK,  
JOSEPH N. GRIMA AND KRZYSZTOF W. WOJCIECHOWSKI

*Guest Editors*

The International Symposia on Trends in Continuum Physics have been held every three years since 1998. The first three events took place at the Poznan University of Technology in Poznan, Poland. The fourth one took place in Lviv, Ukraine, for the first time outside the European Union. The fifth jubilee Symposium was held July 16–20, 2010 in Msida, Malta.

The first four Symposia were jointly planned and organized by B. T. Maruszewski (Poznan University of Technology), W. Muschik (Technische Universität Berlin) and A. Radowicz (Kielce University of Technology). Organization of the fifth one was possible by courtesy of Joseph N. Grima (University of Malta, Msida, Malta).

One of the main aims of those meetings has been to bring together scientists from Eastern Europe working in different fields of continuum physics, broadly understood, as well as those from Western and Central Europe, in order to extend their cooperation and to create new connections and acquaintances.

Special emphasis was placed on the representation of various concepts applied to different physical fields interacting with each other. The scope of the Symposia includes fundamentals of continuum physics, new trends in thermodynamics and in electrodynamics, physics of materials (encompassing defective crystals, ferroic crystals, liquid crystals, molecular crystals, high-temperature superconductors, semiconductors, plasma, polymers, amorphous media, smart materials, and anomalous phenomena such as auxetics and negative thermal expansion), biophysics, multiphase systems, and multiscale problems. These fields have been developing fast in recent years.

The chairs of the Fifth International Symposium on Trends in Continuum Physics (TRECOP'10), where most of the articles in this issue were presented, would like to acknowledge support by the sponsoring institutions who made the meeting possible. They are:

- Institute of Applied Mechanics, Poznan University of Technology
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- Kielce University of Technology, Kielce, Poland
- University of Malta, Msida, Malta
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- Foundation for Development of Poznan University of Technology, Poznan, Poland
- Poznan Division of the Polish Society of Theoretical and Applied Mechanics, Poznan, Poland
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## Special issue

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