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PREFACE

Bogdan T. Maruszewski, Wolfgang Muschik, Andrzej Radowicz
and Krzysztof W. Wojciechowski

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PREFACE

BOGDAN T. MARUSZEWSKI, WOLFGANG MUSCHIK,
ANDRZEJ RADOWICZ AND KRZYSZTOF W. WOJCIECHOWSKI

Guest Editors

Trends in Continuum Physics (acronym TRECOP) is the name of the scientific branch that concerns and focuses itself around many physical problems which can be described by continuum models. Special emphasis is placed on the representation of various concepts applied to different physical fields interacting with each other. Special stress is put on the mechanical side of the investigations made within TRECOP.

The scope of the TRECOP 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 material phenomena (such as auxetics, negative thermal expansion and other negative ones in materials)), biophysics, biomedical mechanics, multiphase systems, and multiscale also nanoscale problems. These fields have been developing fast in recent years. So TRECOP as itself can be treated as an young branch of research.

The Trends in Continuum Physics as the scientific branch was born and then was developed by international symposia which had the same name. The idea to organize those meetings comes from three persons: Bogdan T. Maruszewski, Wolfgang Muschik and Andrzej Radowicz. The symposia took place since 1998: in Poznań, Poland (1998, 2001, 2004, 2014), in Lviv, Ukraine (2007) and in Msida, Malta (2010). One of the main aims of those meetings has initially 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.

In this place should be presented a list (certainly incomplete) of scientists who have been developing the TRECOP scientific branch:

- Vladimir Alshits* — Institute of Crystallography, Russian Academy Sciences, Moscow, Russia
- Jan Awrejcewicz* — Łódź University of Technology, Łódź, Poland
- Arkadi Berezowski* — CENS — Institute of Cybernetics, Tallinn, Estonia
- Yaroslav Burak* — Institute of Applied Mathematics and Mechanics, Ukrainian National Academy of Sciences, Lviv, Ukraine
- Yevhen Chaplya* — Pitstrihach Institute of Applied Problems of Mechanics and Mathematics, Ukrainian National Academy of Sciences, Lviv, Ukraine

- Enzo Ciancio* — Università di Messina, Messina, Italy
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Special issue

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