

## Preface

This volume contains 14 papers presented at the 5th International Conference on Nanomechanics and Nanocomposites (ICNN5) and the 2<sup>nd</sup> FIT-ME Symposium held in Fukuoka Institute of Technology, Fukuoka, Japan from 22 to 25 August 2018, which had the high quality presentations on the basis of strict professional selection and promoted long-term cooperation among the participants.

The series of International Conference on Nanomechanics and Nanocomposites (ICNN) aims to enhance interactions among scientists and engineers both from Academia, Research Institutions and end-use Industries, providing them with a forum for the communications and discussions on the recent exciting accomplishments and future trends in the field of nanomechanics and nanocomposites for several fields of application. The ICNN conferences attract internationally renowned scientists, engineers and researchers in the field of mechanics, physics and chemistry of nanocomposites, with a scientific program covering theoretical aspects, experimental methods and examples of practical industrial applications.

The series of FIT-ME Symposium aims to promote research and development of novel energy devices such as power generators and actuator by mounting newly synthesized inorganic/polymer nanocomposite materials, as achieved by fusion of the research fields of materials chemistry, robotics and information technology.

More than one hundred participants attended the ICNN5 and the 2<sup>nd</sup> FIT-ME Symposium, where 94 papers were presented. The participants from USA, Germany, Australia, China, Korea, Thailand and Japan were very appreciated for their high-level presentation and discussion.

We sincerely thank the authors who have contributed to this volume and the reviewers who reviewed the submitted manuscripts. The members of the International Scientific Committee and the Local Organizing Committee as well as numerous individuals are greatly appreciated for their contribution and dedication in the organization of the conference. Finally, many thanks to Ms. Anne-Kristin Wohlbier and her team members of Trans Tech Publications Ltd. for their kindest collaboration and support for the publication.

Shijie Zhu and Nobuyoshi Miyamoto  
Chairmen of ICNN5 and the 2<sup>nd</sup> FIT-ME Symposium  
Fukuoka Institute of Technology  
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