

Foreword

The 2nd International Symposium on Innovative Technologies in Engineering and Science organized by Academic Platform and Karabuk University was held at Karabuk University, June 18-20, 2014.

First of all, we express our utmost gratitude to the Rector of Karabuk University, Prof.Dr. Burhanettin UYSAL, for his patronage and support to organize this international event. In the same spirit, we also express our thanks to the Governor of Karabuk, Mr. Orhan ALIMOGLU, the General Directorate of KARDEMIR, Fadil DEMIREL and The Scientific and Technological Research Council of Turkey for their sponsorship and instruments for the completion of this symposium in a most successful way.

We express our special thanks to world-wide well known keynote speakers for their kind acceptance to be part of the symposium, Prof. Dr. Omer Ziya CEBECI, Materials Science and Engineering, Marmara University, Istanbul – Turkey and Prof. Dr. David Jeronimo Busquets Mataix, Dept. of Mechanical and Materials Engineering, Polytechnic University of Valencia, SPAIN

We strongly hope that this symposium, ISITES 2014, provides a unique atmosphere for the academicians world-wide to share and discuss the holistic methods of the current interdisciplinary scientific activities so that a strong cooperation among the universities and scientists is achieved on the international level of engineering and basic sciences. This symposium is also thought to be an excellent opportunity to create a reliable interpretation of scientific findings by examining the different dimensions and aspects of the fields of science within the framework of the scientific methods.

The total number of full papers submitted was 259 from 16 different countries. The ISITES 2014 Program Committee has organised an exciting program that includes 44 sessions on the following themes: *Scientific/Innovative Research and Development*, *Engineering Computing* and *Engineering and Technology Concepts*. These main themes include forty different sub-research areas in total (<http://www.isites.info/Content/Pages/Topics.aspx>).

The Proceedings consist only of papers that have not previously been published. All papers have undergone a detailed peer-review process and were selected based on rigorous standards. The papers were presented by the authors or co-authors and discussed in highly interactive sessions.

We also glad to announce that the 3rd International Symposium on Innovative Technologies in Engineering and Science to be held in Polytechnic University of Valencia, SPAIN



Assoc. Prof. Dr. Naci CAGLAR
On behalf of the Organizing Committee
ISITES2014 Symposium Co-Chair