

Foreword

The 1st International Symposium on Innovative Technologies in Engineering and Science organized by Academic Platform and Sakarya University was held at Sakarya University Congress and Culture center, June 7-9, 2013.

First of all, we express our utmost gratitude to the Rector of Sakarya University, Prof.Dr. Muzaffer ELMAS, for his patronage and support to organize this international event. In the same spirit, we also express our thanks to the Mayor of Sakarya, Mr. Zeki TOCOGLU and the General Directorate of SASKİ, Dr. Rustem KELES , and the Chairman of SATSO, Mr. Mahmut KOSEMUSUL for their sponsorship and instruments for the completion of this symposium in a most successful way.

We strongly hope that this symposium, ISITES 2013, 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 155 from 22 different countries and 81 universities. The numbers of posters presented were 14. The ISITES 2013 Program Committee has organised an exciting program that includes 32 sessions on the following themes: Scientific/Innovative Research and Development, Applied Sciences, Knowledge Engineering and Management, Social Systems Engineering, Technologies and Design, Theory and Applications in Engineering, Control Theory and Application, Manufacturing Science and Technology, Mechatronics, Robotics, Nanotechnology, Power Systems, Energy Management, Green Energy and Green Technology, Engineering Computing, Biotechnologies, Evolutionary Computation, Intelligent Techniques, Logics, and Systems, Information Technologies and Systems, Mobile Computing, Cloud Computing, Security in Network, Systems, and Applications, Wireless Sensor Networks, Engineering and Technology Concepts, Engineering Education, Technological Development and Innovation, Managing Research & Development, Innovation Management and Biomedical Engineering.

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.



Assoc. Prof. Dr. Naci CAGLAR
On behalf of the Organizing Committee
ISITES2013 Symposium Co-Chair