## Foreword

International Symposium on Innovative Technologies in Engineering and Science (ISITES2019) is held through the collaboration of Academic Platform, Sakarya Applied Science University, Harran University and Bursa Technical University in Şanlıurfa/Turkey between 22th and 24th of November 2019.

First, we express our utmost gratitude to the rector of Sakarya Applied Science University Prof. Dr. Mehmet Sarıbıyık for his support to organize this international event. In the same spirit, we also express our thanks to the rector of Harran University, Prof. Dr. Sabri Çelik and rector of Bursa Technical University, Prof. Dr. Arif Karademir 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 speaker for his kind acceptance to be part of the symposium, Prof. Dr. Hasan Mandal, TUBITAK.We strongly hope that this symposium, ISITES2019, provides a unique atmosphere for the academicians worldwide 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 is 150 from 9 different countries and 118 papers were accepted to be presented in the symposium. The ISITES2019 Program Committee has organized an exciting program that includes 22 sessions on the following themes: Scientific/Innovative Research and Development, Engineering Computing and Engineering and Technology Concepts. 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. Being extremely successful organizations so far with the contribution of more than 72 universities and 16 different countries, the 7th symposium is expected to bring the scientists all over the world from engineering and basic sciences together at international level to share the mutual experiences.

> Prof. Dr. Naci Çağlar On behalf of the Organizing Committee ISITES2019 Symposium Chair