

Preface

Following the experience gained in organizing five International Conferences on Electrical Systems in Algeria and in Tunisia, it was decided to hold the International Conference on Recent Advances in Electrical Systems (ICRAES'16), running from 20 to 22 December in EL MOURADI Hotel Hammamet 5* (Yasmine Hammamet), Hammamet, Tunisia. On behalf of the Organizing Committee and the Technical Committee, it is our great pleasure to extend to everyone a cordial welcome to this conference and we hope that it will be an exciting event which will provide opportunities for every participant to exchange and share ideas and opinions.

The purpose of the *ICRAES'16*, is to provide a common forum for presentation and discussion of new scientific and technical information worldwide on electrical systems. It is also a great occasion for making new friends and strengthening your technical expertise and establishing technical relationships among professionals and institutions. Organizers have structured an excellent technical program and have invited distinguished plenary speakers. I thank all of volunteers for their very special contributions.

The answer to *ICRAES'16* call for papers has been truly encouraging more than 150 final manuscripts have been received. After reviewing by international scientific committee, 65 papers have been accepted for presentation at the conference according to reviewers' reports and published in this conference proceeding. The authors of these papers are from many countries of the world: *Algeria, Tunisia, Senegal; Nigeria, France, Spain, UAEmirates, Egypt, Germany, Saudi Arabia, Libya and Italy*. All registered and presented paper in ICRAE'16 are included in this Proceeding. High quality papers will be reviewed for possible publication in one of four ISI/SCOPUS Indexed journals.

We would like to extend warm thanks to all authors who submitted papers, the reviewers, the speakers, and session chairs, who have contributed to the success of the technical program of ICRAES'16.

I really wish this activity a great success and hope all of you will enjoy this opportunity for scientific growth.

Chairman of the conference
Prof. Dr. Tarek Bouktir