

Foreword

Sustainable energy should meet today's energy needs without compromising those of the future generations. Technologies that promote sustainable energy are mainly based on renewable energy sources but includes emerging Smart Grid technologies that are based on a myriad of other enabling technologies and industries such as information technologies infrastructure, sensors, smart meters, RFID technologies and artificial intelligence.

Considerable progress is being made in the energy transition from fossil fuels to ecologically sustainable systems with increasing input from renewable energy.

IRSEC'18 is an international conference that provides an excellent opportunity for networking and for dissemination and exchange of innovative research findings related with different issues and topics relevant to renewable and sustainable energy. Renewable energies are of paramount importance to sustainable development and to climate change effects mitigation.

IRSEC'18 has succeeded to attract a record number of papers submitted by researchers, policy-makers, engineers and other specialists from different backgrounds and from several countries from the five continents. These papers cover all facets and issues related to the scope and topics of IRSEC'18, as diverse as renewable energy technologies, energy efficiency, green energy, energy generation, storage and distribution, climate change, sustainable energy systems and Smart Grid.

IRSEC'18 has also succeeded to attract international renowned experts and scholars specialized in different key and hot topics covering different aspects and features of renewable and sustainable energy which contributed to the very rich and diversified keynote and invited talks program.

IRSEC'18 success achieves new record which is doubtlessly the result of the constant commitment, perseverance, implication and hard work of different stakeholders, particularly, the Organizing Committee Members, Technical Program Committee members, keynote and invited talks speakers, technical sponsors and all the participants. We seize this opportunity to address them all our most sincere thanks and gratitude.

Mohamed Essaaidi

Mohammed V University, Morocco

Youssef Zaz

Abdelmalek Essaadi University, Morocco