

**1st International Conference on
Sustainable Energy and Future Electric Transportation**

February 14-16, 2019

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SeFet 2019

Preface

1st International Conference on Sustainable Energy and Future Electric Transportation

February 14-16, 2019, at GRIET, Hyderabad, INDIA

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SeFet 2019 has organized at Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad, INDIA from 14-16 February 2019.

SeFet 2019 aims to provide a platform for Engineers, Researchers, Scientists & Academicians to present their work, to share experiences and ideas in the areas of Renewable Energy, Electric Transportation, Power Electronics, Electric Drives, Control Techniques, Smart Grids, Communication Protocols, Intelligent Charging Infrastructure and Standards. In view of changing scenario under sustainable energy & electric transportation, this conference aims to put together the experts from these areas to disseminate their knowledge and experience for working in years to come.

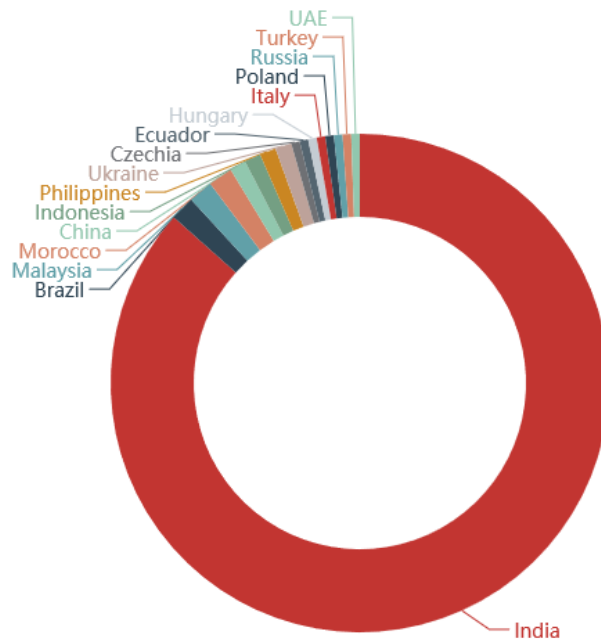
SeFet 2019 is organized with the following Tracks:

- Electric Transportation and Vehicle System
- Power Electronics Systems and Electric Drives
- Renewable Energy – Solar, Wind Integration
- Machine Learning, IoT based Charge Stations and Storage
- Communication Protocols for Electric Vehicles
- FACTS, Smart Grids
- Control System and Automation

SeFet 2019 was organized in collaboration with Woosong University, South Korea and Central University of Karnataka, INDIA. Conference is Technically sponsored by Insta Sine Power Technologies, Mumbai, INDIA and Master PCB Ltd., Hyderabad, INDIA

SeFet 2019 followed double blind review with minimum of two reviewers for each paper submitted. Care has been taken for plagiarism of all the article. Licensed plagiarism tool (Turnitin and Plagiarism Checker X) have been used and ensured each article has less than 20% plagiarism

Total of 106 papers received in which 40 papers have been selected for presentation.



Article Submission from Various Countries in SeFet 2019

The SeFet 2019 peer-reviewed and accepted papers have been edited as conference proceedings to be published with E3S Web of Conferences (Open Access proceedings in Environment, Energy and Earth Sciences), which is indexed by Scopus, CPCI (Web of Science), Google Scholar, CAS, DOAJ, EBSCO, ProQuest and Ei Compendex.

As editors of this special issue of the SeFet 2019 proceedings, I wish to express my sincere gratitude to the plenary speakers, authors, participants, reviewers, program and technical committee members, and organizing members; who have contributed in organization of the conference and publication of this special issue. With high standard and high-quality submissions and presentations in the SeFet, I am very much sure, one day SeFet will become a leading conference in this specific academic area of 'Sustainable Energy and Future Electric Transportation'.

Dr. Suresh Kumar Tummala
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Greetings!

Energy demand of a transport sector has constantly been increasing in the recent years, consuming one third of the total final energy demand over the last decade. A transition of this sector towards sustainable one is facing many challenges in terms of suitable technology and energy resources. Sustainable transportation has certainly gotten more attention lately, given concerns about future oil supplies and increased awareness of environmental issues. This International Conference on Sustainable Energy and Future Electric Transportation will provide you about the future of sustainable transportation, green vehicles, electric cars/buses, etc. The Sustainable Transportation conference seeks to engage a diverse stakeholder community with interests spanning a broad technology portfolio, from fuel cells and vehicle electrification to the bioenergy supply chain.

Dr. Chan-Mook Jung
Dean