

Preface

Currently, electrical engineering is experiencing its greatest ever changes and challenges due the shift to smart grids and green energy sources. Existing energy network is working well, but suffers from various failures and uncertainties. Its efficiency is poor, and the rate for high penetration of renewable sources is limited due to intermittent behavior of these new sources and the reducing of overall system inertia.

The present proceedings include the selected papers of the International Conference on Electrical Engineering and Green Energy (CEEGE 2018), which was held on June 1-3, 2018, in Tokyo, Japan. The CEEGE 2018 as a global academic event focused on electrical and green energy systems engineering. It provided a premier interdisciplinary platform for researchers, practitioners and educators to present and discuss the most recent innovations, trends, and concerns as well as practical challenges encountered and solutions adopted in the fields of **Electrical Engineering and Green Energy**.

The CEEGE 2018 presented the innovations and new technologies that will charter the path to the electric networks and green energy systems of the future. Some main key features of the mentioned event were:

- Most updated outcomes and progress in Electrical engineering and green energy systems,
- New solutions for high penetration of renewable energy and environment protections,
- Trends and challenges in energy systems monitoring, control and management,
- Advances in smart buildings, green energy sources and microgrids.

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