Special Issue

Renewable Energy Systems: Optimal Planning and Design

Message from the Guest Editor

With growing concerns about greenhouse gas emissions, security of conventional energy supplies, and environmental safety of conventional energy production techniques, renewable energy systems are becoming increasingly important and are receiving high levels of political attention all over the world. There have been great advances in technology to develop sustainable, economically and environmentally acceptable renewable energy systems using distributed energy resources, such as wind, geothermal, biomass, and solar. Optimal planning and design are the most fundamental efforts required for the successful deployment of renewable energy systems. This Special Issue (SI) aims to encourage scientists, engineers, researchers, educators, and students to address the current state-of-the-art technologies, models, and solutions for the optimal planning and design of renewable energy systems. Original research contributions and reviews dealing with resource assessments, site evaluations, system designs, production forecasting, and feasibility studies in all areas of renewable energy are welcome in this SI.

Guest Editor

Prof. Dr. Yosoon Choi

Department of Energy Resources Engineering, Pukyong National University, Busan 48513, Republic of Korea

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Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

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As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

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