

## Special Issue

# Measurement and Application of Field Heterogeneity for Effective Energy Use and Waste Treatment

### Message from the Guest Editor

Field heterogeneity is the key to resolving some of the problems we face in modern human society. Utilizing a limited amount of each resource at our disposal is urgently needed, both at the society and the in-device scale, where energy and material must be distributed only where and when they are required, and wastes must be separate and sorted. Field heterogeneity offers a possibility for technological breakthrough because it involves the concentration of energy, momentum, material, etc. in either spatial or temporal meanings. All those gradients initiate special effects that cannot be achieved in a uniform and equilibrium field, resulting in effective energy use and waste treatment. Potential topics include but are not limited to:

- Drive, separation, and sorting of materials using uneven electric, magnetic, temperature, or velocity fields;
- Compressed use of energy in temporal meaning;
- Chemical processes using a strong non-equilibrium state;
- Measurement of spatial or temporal distribution of electric, magnetic, temperature, or velocity fields.

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### Guest Editor

Prof. Dr. Keiichiro Yoshida

Department of Electrical and Electronic Systems Engineering, Osaka Institute of technology, 535-8585 Osaka, Japan

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### Deadline for manuscript submissions

closed (30 April 2022)



## Energies

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*Energies*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[energies@mdpi.com](mailto:energies@mdpi.com)

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### Message from the Editor-in-Chief

*Energies* is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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### Editor-in-Chief

Prof. Dr. Enrico Sciubba  
Department of Mechanical and Industrial Engineering, University  
Niccolò Cusano, 00166 Roma, Italy

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