



## Sustainable Energy Systems: From Grid Efficiency Through AI-Based Solutions to Energy Communities

Guest Editors:

**Prof. Dr. Miltiadis D. Lytras**

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**Prof. Dr. Anna Visvizi**

Deadline for manuscript  
submissions:  
**closed (30 September 2022)**

### Message from the Guest Editors

Dear Colleagues,

This Special Issue will report high-quality research on artificial intelligence in the fields of smart grid, and, more specifically, on state-of-the-art approaches, methodologies, and systems for the design, development, deployment, and innovative use of these convergence technologies for providing insights towards energy science and engineering. Key topics include but are not limited to the following:

- New theories and applications of artificial intelligence in smart grids;
- Multiobjective optimization in computationally expensive optimization problems;
- Multiobjective optimization in bi-level optimization problems;
- Energy disaggregation techniques in non-intrusive load monitoring;
- Smart grids for smart energy management in smart cities;
- Migration of traditional electric grids to smart grids;
- Modelling and simulation (or co-simulation) in smart grids;
- Demand response in smart grids.



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*Guest Editors*

# Special Issue



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## Message from the Editor-in-Chief

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