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## Smart Grid Cybersecurity: Challenges, Threats and Solutions—2nd Edition

Guest Editors:

**Dr. Basile L. Agba**

Hydro-Quebec Research  
Institute, Varennes, PQ G1A 1A1,  
Canada

**Dr. Marthe Kassouf**

Institut de recherche d'Hydro-  
Quebec, Varennes, QC J1S 2S9,  
Canada

**Prof. Dr. Mourad Debbabi**

Concordia Institute for  
Information Systems  
Engineering, Concordia  
University, Montreal, QC H3G 1M6,  
Canada

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### Message from the Guest Editors

The next generation of Electric Grids relies on an invasive deployment of communication and information technologies (IT) in multiple systems spread across the large infrastructure that interconnects the consumer premises and the electricity distribution, transmission and generation facilities.

Recent reports confirm that cyberattacks targeting power grids and other critical infrastructures have been increasing in frequency and severity. In this context, smart grid operators and the electricity industry stakeholders are required to design and implement novel solutions to enhance the grid resilience and the capability to detect, neutralize and respond to cyberattacks.

The proposed papers consist of novel and original ideas and results, theoretical and applied research in the following topics, but not limited to:

- Smart grid risk management
- Security metrics and resilience assessment
- Security policy development
- Cyberattack simulation and case studies
- Detection and mitigation of cyberattacks
- Cybersecurity investments and the economic impact of cyberattacks
- Privacy challenges



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# Special Issue



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## Editor-in-Chief

### **Prof. Dr. Enrico Sciubba**

Department of Mechanical and  
Aerospace Engineering,  
University of Roma Sapienza, Via  
Eudossiana 18, 00184 Roma, Italy

## 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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*Energies* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

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