# Special Issue

# Machine Learning for Partial Discharge Monitoring

### Message from the Guest Editors

The application of machine learning to a diverse range of industrial applications continues rapidly; nowhere is its impact felt more acutely than in condition monitoring of critical national infrastructure. Given the breadth and depth of research in this area, we are delighted to announce a Special Issue on Machine Learning for Partial Discharge Monitoring that will collate the various strands of AI/ML technologies being utilized to combat and mitigate partial discharge. We welcome original research on machine learning-enabled applications for partial discharge localization (of multiple sources), classification, time-to-failure estimation, and impact assessment. Of particular interest are complementary technologies that include 5G, Edge/Cloud-based solutions, explainable AI (XAI), multi-modal fusion (radio, ultrasound), drone-based platforms, and federated learning strategies.

### Guest Editors

Dr. Robert C. Atkinson

Prof. Dr. Gordon Morison

Dr. Christos Tachtatzis

### Deadline for manuscript submissions

closed (7 July 2021)

**Energies**

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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.

## Editor-in-Chief

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