# Special Issue

# Defects in Energy and Electronic Materials: From Experiment to Machine Learning

## Message from the Guest Editors

Future applications, including the Internet of Things (IoT) require new energy and electronic materials that are in abundance, low cost and environmentally friendly and exhibit high energy density. This will enable the next generation of high-capacity energy storage and energy harvesting systems. The miniaturization of devices necessitates a fundamental understanding of material defect processes more than ever. In this respect, advanced computational techniques and their synergy with experiments are required to gain a deeper understanding and better control at nanoscale dimensions. This Special Issue will focus on defect processes in energy and electronic materials with a particular focus on advanced computational works and the prospects for machine learning and intelligent approaches.

## Guest Editors


Prof. Dr. Alexander Chroneos

Department of Electrical and Computer Engineering, University of Thessaly, 382 21 Volos, Greece

Dr. Aspassia Daskalopulu

Department of Electrical and Computer Engineering, University of Thessaly, 382 21 Volos, Greece


## Deadline for manuscript submissions

closed (29 February 2024)


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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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