

## Special Issue

# Electrochemical Spectroscopies in Organic Electronics: Theory, Methods, Applications

### Message from the Guest Editor

Organic electronics applications are envisioned to address a broad market, leading to a tremendous amount of interest from both academia and industry in the study of devices that cover physics, chemistry, biology, and materials science, using new synthesized organic materials – organic semiconductors. On the other hand, we face the situation when the available organic electronics applications lack sometimes the theoretical background. The cause may be the complicated properties of disordered, weakly bonded molecular materials with properties different from their inorganic counterparts. One of the basic information-rich resources is the electronic structure of organic semiconductors, with both native and defect states, as well as excited states elucidated by the methods, hardly possible to be transferred from the branch of inorganic semiconductors, enabling the introduction of principles of gap engineering to the branch of organic electronics [x]. [x] F. Schauer: Electronic structure spectroscopy of organic semiconductors by Energy Resolved - Electrochemical Impedance Spectroscopy (ER-EIS), J. Appl. Phys. 2020, 128, 150902

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### Guest Editor

Prof. Dr. Franz Schauer  
Faculty of Informatics, Tomas Bata University, Zlin, Czech Republic

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### Deadline for manuscript submissions

closed (15 May 2022)



## Applied Sciences

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### Editor-in-Chief

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