



## Synthetic Metals 2019

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### Message from the Guest Editor

Dear Colleagues,

In present-day society, how could we live without our cellphone, tablet, or TV set? The discovery of doped polyacetylene in 1976, and the Nobel Prize awarded to A. Heeger, A. Mc Diarmid, and H. Shirakawa in 2000 showed the wide possibilities of the use of these semiconductors. These molecules or macromolecules, which have chemical structures of alternating single and double bonds, can be considered as synthetic metals. The development of these synthetic metals as active material, include their design, their synthesis, their deposition techniques, their nanoscale organization in order to fine-tune electronic, thermal, or mechanical properties, and their performances in devices. The aim of this Special Issue is to provide the most recent advances in the fundamental chemistry and the development of new organic semiconductors for “plastic electronic” applications. Papers and review articles dealing with organic pi-conjugated materials are invited for this Special Issue on “Synthetic Metals”.

Dr. Bruno Schmaltz

*Guest Editor*





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## Message from the Editorial Board

Metallic materials play a vital role in the economic life of modern societies; contributions are sought on fresh developments that enhance our understanding of the fundamental aspects related to the relationships between processing, properties and microstructure – disciplines in the metallurgical field ranging from processing, mechanical behavior, phase transitions and microstructural evolution, nanostructures, as well as unique metallic properties – inspire general and scholarly interest among the scientific community.

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