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Artificial Intelligence Techniques for Polymer Processing

Guest Editor:

Prof. Dr. Ming-Shyan Huang

Department of Mechatronics
Engineering, National Kaohsiung
University of Science and
Technology, 1 University Road,
Yanchao, Kaohsiung City 824,
Taiwan

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Message from the Guest Editor

Dear Colleagues,

The rapid evolution of artificial intelligence, the Internet of Things, and 5G technologies has accelerated the development of digital, intelligent, and unmanned manufacturing technologies.

Machine learning is an important part of moving towards Industry 4.0. Manufacturing processes need to be self-trained by machine learning, so that the continuously input data can adjust the operating conditions more quickly. As for the application of polymer processing, design defects can be found in the virtual model using virtual and real integration systems to confirm the best time for machine maintenance and perform equipment maintenance in the virtual world. Related technologies include domain knowledge of manufacturing technology, sensing and communication technology, the Internet of Things, cloud computing, artificial intelligence, big data analysis, and digital reality technology.

The aim of this Special Issue is to present the latest research on “Artificial Techniques for Polymer Processing”. We invite researchers to contribute to this issue by submitting related articles and review papers.

Prof. Dr. Ming-Shyan Huang
Guest Editor



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Special Issue



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Editor-in-Chief

Prof. Dr. Alexander Böker

Lehrstuhl für Polymermaterialien
und Polymertechnologie,
University of Potsdam, 14476
Potsdam-Golm, Germany

Message from the Editor-in-Chief

Since its foundation in 2009, *Polymers* has developed into an internationally renowned, extremely successful open access journal. The editorial team and the editorial board dedicatedly combine open-access publishing and high-quality rigorous peer reviewing. The performance of the journal has proven this strategy to be well-suited and highly successful. This is reflected in the increasing impact factor of *Polymers*, the most recent one being 5.0.

I would like to invite you to contribute to the success of the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

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Polymers Editorial Office
MDPI, St. Alban-Anlage 66
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