

Special Issue

Polymer-Based Multimodal Tactile Systems for Robotics and Haptics and Interactive Surfaces

Message from the Guest Editors

Through this Special Issue, we aim to highlight recent advances in polymer-based materials and architectures which have the potential to enable the next generation of tactile sensing and haptic interfaces, as well as interactive user interfaces and user–surface interaction systems.

Topics of interest include (but are not limited to) the following:

- Printing and additive manufacturing of polymer-based tactile sensors, haptic devices, and interactive surfaces;

- Multimodal sensing using piezoresistive, piezoelectric, capacitive/dielectric, electromagnetic, thermoresistive or hybrid polymers;

- Mechanical decoupling strategies and micro-structured architectures for crosstalk reduction and/or performance enhancement;

- Flexible and stretchable polymer electronics for tactile skins, interactive surfaces, and user-facing systems;

- Haptic interfaces and feedback systems based on soft polymer materials, including tangible and interactive interface concepts;

- Polymer-based acoustic and vibroacoustic transducers for multimodal tactile, haptic, and interactive systems;

- Polymer-based tactile and haptic interfaces for immersive and extended-reality systems.

Guest Editors

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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 5.8.

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.

Editor-in-Chief

Prof. Dr. Alexander Böker

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