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## Process Technologies for Polymer-Based Sensor Systems

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### Message from the Guest Editors

Miniaturized sensors, which are increasingly deployed as parts of connected networks and smart systems, contribute indispensable roles for solving societal needs in, e.g., healthcare, communication, and transportation. This development substantially increases the number of required sensors and their performance characteristics, and hence the requirements on sensing technologies, applied materials, and acceptable tolerances. Polymer-based sensors afford a range of advantages for such applications, including tunable material properties and surface interaction. Most importantly, they are compatible with a broad variety of fabrication technologies from the macroscopic down to the nanometer domains, including classical subtractive patterning, emerging additive processes, and mass replication. For functional or auxiliary functions, polymers are often integrated into multi-material sandwiches or composites. This breadth of processes and materials offers both outstanding opportunities for advanced sensing applications and challenges for technological implementation. The aim of this Special Issue is to give readers an overview of innovative techniques in this rapidly evolving field.



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**Special** Issue



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## Message from the Editor-in-Chief

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