
3D Printing with Polymers

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Abstract

This mini-symposium will provide a forum for presentation and discussion of the state-of-the-art in field of 3D printing with polymers. Emphasis will be on novel polymer material formulations for additive manufacturing (AM), computational methods, and numerical simulations involving material and/or process modelling. Contributions are solicited in, but not restricted to, the following topic areas in 1) Material and process characterization; 2) Recycled and Bio-Based Plastics for Additive Manufacturing; 3) Modelling and Simulation of AM technologies; 4) Topological optimization for architecture material design; 5) Performance analysis of 3D printed structures;

Keywords: additive manufacturing, recycling, optimization, composite, expert system.

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