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## Advances in Polymer Composite Deposition Additive Manufacturing

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Deadline for manuscript  
submissions:  
**closed (20 January 2024)**

### Message from the Guest Editors

We aim to include research on the latest advances and trends in the materials, processing, simulation, and design of polymer composite deposition.

The topics of interest in polymer composite deposition include but are not limited to:

- Fused filament fabrication of polymer composites;
- Large scale polymer composite deposition;
- Polymer composite deposition filament and pellet properties;
- Process–structure–property maps of polymer composites;
- Variability in processing and part performance;
- Control of the polymer composite deposition process;
- Design for manufacturing parts produced with polymer composite deposition;
- Effect of fiber reinforcement (carbon, glass, Kevlar, baron, natural fibers, etc.) on deposition and part properties;
- Effect of the deposition process on part properties (strength, stiffness, toughness, density, etc.);
- Multifunctionality (structural properties, thermal and electrical conductivities, energetic properties, etc.) of the deposited polymer composites;
- Effect of additives and fillers at various length scales (micro, nano);
- Modelling and simulation of the polymer composites melt flow during processing;



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# Special Issue



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## Editor-in-Chief

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## Message from the Editor-in-Chief

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