Special Issue

Monte Carlo Simulations of Polymeric Materials

Message from the Guest Editor

The applications of polymeric materials and their composites are still increasing. Monte Carlo (MC) modeling offers insights into the effects related to materials and devices based on polymers. For this reason a MC method can be successfully applied to a wide spectrum of problems in modern material sciences. This Special Issue aims to highlight recent achievements in the development of MC simulation methods and models and their applications to various polymer systems and devices. It is my pleasure to invite you to submit your results in the form of either full papers, communications, or reviews. Potential areas and applications include, but are not limited to, the following:

- Lattice and continuum MC models of polymers;
- MC modeling of polymer-based devices;
- MC modeling of DNA-based materials and other biopolymers;
- Stochastic MC modeling of polymer systems;

Guest Editor

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Deadline for manuscript submissions

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Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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