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# Discrete Element Modeling of Materials

Guest Editors:

**Prof. Dr. Jerzy Rojek**
Department of Information and Computational Science, Institute of Fundamental Technological Research, Polish Academy of Sciences, 02-106 Warszawa, Poland

**Dr. Szymon Nosewicz**
Department of Information and Computational Science, Institute of Fundamental Technological Research, Polish Academy of Sciences, Warsaw, Poland

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**closed (15 October 2020)**

## Message from the Guest Editors

This Special Issue is aimed at gathering and presenting the latest developments in materials modeling with the discrete element method (DEM). Applications of the DEM to modelling various materials—natural and man-made—such as soils, rocks, powders, concrete, ceramics, and others, particulate and non-particulate, cohesive and cohesionless, are expected. Contributions showing simulations of real problems of geomechanics, materials science, chemical engineering, metallurgy, mechanical and civil engineering, agriculture, or biomechanics, as well as developments of new models, theoretical formulations, and numerical algorithms in the discrete element method are welcome. Different approaches within the DEM can be presented. The coupling of the DEM with other methods (e.g., molecular dynamics, FEM and CFD), as well as the use of the DEM in the framework of multiscale modelling is within the scope of interest.

This Special Issue provides an excellent opportunity for those who use and develop the discrete element method to present their achievements. Research articles, review articles, and communications related to the above-mentioned topics are invited for this Special Issue.

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## Editor-in-Chief

**Prof. Dr. Maryam Tabrizian**
1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada
2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

## Message from the Editor-in-Chief

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## Contact Us

*Materials* Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/materials
materials@mdpi.com
𝕏@Materials_Mdpi