

IMPACT FACTOR 3.4



an Open Access Journal by MDPI

Modelling and Simulation of Coating 2019

Guest Editor:

Prof. Dr. Timon Rabczuk

Institute of Structural Mechanics, Bauhaus-Universität Weimar, Weimar, Thuringia, Germany

Deadline for manuscript submissions:

closed (31 December 2019)

Message from the Guest Editor

Dear Colleagues,

Modelling and simulation has become a key tool in engineering and materials science. It complements experimental testing and also has the potential to study and identify physical phenomena that cannot be detected experimentally. It has been successfully used to support the design and optimization of new materials and structures. This Special Issue is devoted to computational modeling of coating. In addition, manuscripts on innovative computational methods, which have the potential to be applied to coating or coating materials, can be submitted to this Special Issue. They include approaches ranging from quantum mechanics and molecular dynamics, coarse-grained models, and Monte-Carlo simulations up to classical continuum-based approaches, based on finite element methods or isogeometric analyses.

Prof. Dr. Timon Rabczuk *Guest Editor*







IMPACT FACTOR 3.4



an Open Access Journal by MDPI

Editors-in-Chief

Prof. Dr. Wei Pan

State Key Laboratory of New Ceramics and Fine Processing, School of Materials Science & Engineering, Tsinghua University, Beijing 100084, China

Dr. Emerson Coy

NanoBioMedical Centre, Adam Mickiewicz University in Poznań, ul. Wszechnicy Piastowskiej 3, 61-614 Poznań, Poland

Message from the Editorial Board

Now more than ever, research is called for to produce technologies and improve knowledge to solve the major challenges faced by our society. The development of new materials and devices for (without the ambition to be exhaustive) energy, health and food technology, together with the need for establishing processes that reduce the impact on critical resources and the environment, is indeed at the center of most contemporary research. Surface science and engineering play a key role in this regard. Refining surfaces and their modifications provides new materials, architectures and processes with a huge potential to aid most societal challenges. Coatings is a well-established, peer-reviewed, online journal that focuses on the dissemination of publications in the field of surface science and engineering. Coatings publishes original research articles that report cutting-edge results and review papers on the hottest topics.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (*Materials Science, Coatings & Films*) / CiteScore - Q2 (*Surfaces and Interfaces*)

Contact Us