Special Issue

Innovations in Geometric Modelling and CAD: Exploring Boundaries and Beyond

Message from the Guest Editors

In recent decades, geometric modelling has become an interesting and powerful branch of modern science and engineering, driven by innovations and breakthroughs in computer-aided design (CAD) and visualisation technologies. We are looking for groundbreaking research on curve and surface modelling, visual perception, geometric aesthetics, and the integration of novel mathematical methods and innovative technologies such as artificial intelligence and virtual, augmented and mixed reality into future CAD systems. In addition, we are particularly interested in innovative technologies for CAD and the integration of fundamentally new mathematical approaches and paradigms, as well as in AI-based tools that have the potential to revolutionise CAD and geometric modelling. The scope of this Special Issue includes original research in the field of geometric modelling and CAD and its applications in various domains. We hope that this Special Issue will serve as a platform for researchers and practitioners to share their knowledge and insights, paving the way for exciting advances and innovative approaches in geometric modelling and CAD.

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Axioms is dedicated to the foundations (structure and axiomatic basis, in particular) of mathematical theories, not only from a crisp or strictly classical sense, but also from a fuzzy and generalized sense. This includes the more innovative current scientific trends, devoted to discover and solve new challenging problems. The prime goal of *Axioms* is to publish first-class, original research articles under an open access policy with minimal fees for the authors. We would be pleased to welcome you as one of our authors.

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