

**Call for Papers:
From Theoretical to Applied Geometry – Recent Developments**

A Special Issue of Computer Aided Geometric Design

Guest Editors: Marjeta Knez, Martin Peternell, Juan Gerardo Alcázar

Submission Deadline: October 31st, 2019

Background. Classical theoretical results from different branches of geometry, e.g. differential, algebraic, projective and descriptive, have been applied in last decades to various areas of Computer Aided Geometric Design ranging from geometric modeling, robotics and kinematics to spline approximation and isogeometric analysis. Theoretical advances have been used to develop new methods and algorithms, as well as to find new approaches to old and current practical problems.

Scope. This special issue focuses on recent developments in theoretical and applied geometry, originating from the interaction between classical methods in geometry with computational approaches from approximation theory and computer aided geometric design. In particular, it will contain relevant papers which were presented at the

*Conference on Geometry: Theory and Applications
(University of Innsbruck, Austria, June 3–7, 2019).*

Additional submissions are also welcome.

Topics. Main topics include, but are not limited to:

- Computer Aided Geometric Design
- Computational Geometry
- Computer Graphics
- Differential Geometry
- Geometric Computing
- Geometric Modeling
- Isogeometric Analysis
- Robotics and Kinematics

Submission. Please use the electronic submission system at

<http://ees.elsevier.com/cagd>

and indicate that you wish to submit your paper to the special issue.

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