

## Special Issue

# Advances in Differential Geometry and Mathematical Physics

### Message from the Guest Editor

I am acting as a guest editor for a Special Issue on advances in differential geometry and mathematical physics in MDPI's journal *Axioms*. Our intention with this Special Issue is to focus on new and interesting applications of differential geometry inspired by general relativity, its modifications and alternative gravity theories. In particular, we would like to provide an opportunity to present recent developments in mathematical physics that incorporate geometries beyond curvature based Lorentzian geometries. This Special Issue will address the following non-exhaustive list of topics:

- Symmetry methods.
- Conformal symmetries.
- Invariants associated with geometries.
- Mathematical aspects of solutions to particular gravity theories.
- Applications of pseudo-Riemannian geometries, teleparallel geometries, symmetric teleparallel geometries, Einstein–Cartan geometries or Finsler geometries to mathematical physics.

In addition to the above, any topic that relates to the application of differential geometry in mathematical physics is welcome.

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### Guest Editor

Dr. David D. McNutt

Faculty of Science and Technology, University of Stavanger, 4036 Stavanger, Norway

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### Deadline for manuscript submissions

closed (31 May 2025)



## Axioms

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## About the Journal

### Message from the Editor-in-Chief

*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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### Editor-in-Chief

Prof. Dr. Humberto Bustince

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