

## Special Issue

# Pseudo-Riemannian Metrics and Applications

### Message from the Guest Editor

The purpose of this Special Issue is to collect original and survey papers concerning relevant state-of-the-art results on pseudo-Riemannian metrics and their applications to Physics. A non-exhaustive list of topics includes homogeneous pseudo-Riemannian manifolds, Lorentzian manifolds, special curvature properties, tangent and unit tangent sphere bundles, Einstein manifolds and Ricci solitons, geodesic and magnetic curves, geometry of submanifolds, pseudo-Riemannian Lie groups, symmetries, special connections and metrics, methods of (pseudo-)Riemannian geometry, and harmonic maps.

---

### Guest Editor

Prof. Dr. Giovanni Calvaruso

Dipartimento di Matematica e Fisica 'E. De Giorgi', Università del Salento, Prov. Lecce-Arnesano, 73100 Lecce, Italy

---

### Deadline for manuscript submissions

closed (30 April 2020)



## Axioms

---

an Open Access Journal  
by MDPI

---

Impact Factor 1.6



[mdpi.com/si/31212](https://mdpi.com/si/31212)

*Axioms*

Editorial Office

MDPI, Grosspeteranlage 5

4052 Basel, Switzerland

Tel: +41 61 683 77 34

[axioms@mdpi.com](mailto:axioms@mdpi.com)

[mdpi.com/journal/](https://mdpi.com/journal/)

[axioms](https://axioms)





# Axioms

---

an Open Access Journal  
by MDPI

---

Impact Factor 1.6



[mdpi.com/journal/  
axioms](https://mdpi.com/journal/axioms)



## 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.

---

### Editor-in-Chief

Prof. Dr. Humberto Bustince

Department of Statistics, Computer Science and Mathematics, Public  
University of Navarra, 31006 Pamplona, Spain

---

### Author Benefits

#### Open Access

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

#### High visibility:

indexed within SCIE (Web of Science), dblp, and other databases.

#### Journal Rank:

JCR - Q2 (Mathematics, Applied)