



Advances in Differential Geometry and Mathematical Physics

Guest Editor:

Dr. David D. McNutt

Department of Mathematics and
Statistics, UiT The Arctic
University of Norway, 9019
Tromsø, Norway

Deadline for manuscript
submissions:

30 December 2024

Message from the Guest Editor

Dear Colleagues,

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.

