



an Open Access Journal by MDPI

# **Space-Borne Gravitational Wave Antennas**

Guest Editor:

#### Dr. Valerio Ferroni

Dipartimento di Fisica, Università di Trento and Trento Institute for Fundamental Physics and Application/INFN, 38123 Povo, Trento, Italy

Deadline for manuscript submissions: closed (30 October 2020)

## Message from the Guest Editor

Dear Colleagues,

With LISA as the flagship mission for ESA and NASA and many other efforts involving either laser or atom interferometry proposed, space-borne missions face new challenges with respect to gravitational wave detection. This Special Issue aims to collect research focusing on several related topics: mission design, including satellite constellations and orbit transfer; algorithms for the synthesis of equal-arm interferometric detectors; stray forces and torques on free falling test masses; and space weather parasitic applications.

Dr. Valerio Ferroni *Guest Editor* 









an Open Access Journal by MDPI

## **Editor-in-Chief**

Prof. Dr. Lorenzo Iorio

Ministero dell'Istruzione e del Merito, Viale Unità di Italia 68, 70125 Bari, BA, Italy

#### Message from the Editor-in-Chief

The multidisciplinary *Universe* journal is aiming to follow and, hopefully, to lead to the largest extent as possible the ever-self renovating threads which weave mathematical theories with our understanding of the magnificent natural world. On behalf of all the distinguished members of the editorial board, I extend my welcome to this new journal and look forward to hearing from the interested contributors and learning about their valuable research.

## **Author Benefits**

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), Astrophysics Data System, INSPIRE, CAPlus / SciFinder, Inspec, and other databases.

**Journal Rank:** JCR - Q2 (*Astronomy & Astrophysics*) / CiteScore - Q2 (*General Physics* and Astronomy)

## **Contact Us**

*Universe* Editorial Office MDPI, St. Alban-Anlage 66 4052 Basel, Switzerland Tel: +41 61 683 77 34 www.mdpi.com mdpi.com/journal/universe universe@mdpi.com X@Universe\_MDPI