

# Special Issue

## Gravitational Waves

### Message from the Guest Editor

Undoubtedly, the first detection of gravitational waves on 14 September 2015 was a momentous achievement in science. In the case of gravitational waves, this shows not only the power of the theory but also the tremendous advances in technology that had to occur to make this happen.

The phenomenon of gravitational waves has always been a driving force in the efforts to explore and understand the theoretical and mathematical foundations of Einstein's theory of gravitation and in the development of new experimental techniques. They have also been a strong motivation for the creation of modern computational methods for solving Einstein's equations. Yet, we are still left with questions: how do we describe gravitational waves and the energy-momentum they carry in cosmological space-times? What is their role in the very early universe? How do we model concrete sources for them...

Thus, gravitational waves are central to current developments in gravitational physics. For more information, please visit: [mdpi.com/si/60221](https://mdpi.com/si/60221).

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### Guest Editor

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### Deadline for manuscript submissions

closed (1 September 2021)



## Universe

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## About the Journal

### Message from the Editor-in-Chief

The multidisciplinary journal *Universe* 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 Advisory and Editorial Boards, I extend my welcome to this journal and look forward to hearing from the interested contributors and learning about their valuable research.

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### Editor-in-Chief

Prof. Dr. Lorenzo Iorio  
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