

# Special Issue

## Gravitational Waves: Prospects after the First Direct Detections

### Message from the Guest Editor

We invite colleagues to submit contributions to the Special Issue, "Gravitational Waves: Prospects after the First Direct Detections", of the journal *Universe*, addressing both theoretical and observational aspects concerning the

- first direct detections of gravitational waves,
- future gravitational wave experiments,
- strong-field gravitational waves in the geometrical optics approximation,
- backreaction of gravitational waves,
- gravitational waves as exact solutions of the Einstein equations,
- gravitational waves in modified gravity theories,
- observational and theoretical constraints on the speed and polarizations of gravitational waves,
- astrophysics and cosmology with gravitational waves,
- electromagnetic and high-energy cosmic ray counterparts of gravitational waves.

For further information, please visit

[http://www.mdpi.com/journal/universe/special\\_issues/gravitational\\_waves](http://www.mdpi.com/journal/universe/special_issues/gravitational_waves).

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### Guest Editor

Prof. Dr. László Árpád Gergely

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### Deadline for manuscript submissions

closed (31 August 2020)



## Universe

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## About the Journal

### 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.

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### Editor-in-Chief

Prof. Dr. Lorenzo Iorio

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