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## Gravitational Waves: Prospects after the First Direct Detections

Guest Editor:

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Deadline for manuscript  
submissions:

**closed (31 August 2020)**

### Message from the Guest Editor

Dear Colleagues,

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

1. first direct detections of gravitational waves,
2. future gravitational wave experiments,
3. strong-field gravitational waves in the geometrical optics approximation,
4. backreaction of gravitational waves,
5. gravitational waves as exact solutions of the Einstein equations,
6. gravitational waves in modified gravity theories,
7. observational and theoretical constraints on the speed and polarizations of gravitational waves,
8. astrophysics and cosmology with gravitational waves,
9. 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).

Prof. László Árpád Gergely

*Guest Editor*



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# Special Issue



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## Editor-in-Chief

### **Prof. Dr. Lorenzo Iorio**

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## 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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