



universe



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## Gravity, Black Holes and Cosmology XXI

Guest Editors:

**Prof. Dr. Gianluca Calcagni**

**Prof. Dr. Cosimo Bambi**

**Prof. Dr. Leonardo Modesto**

Deadline for manuscript  
submissions:

**closed (30 June 2018)**

### Message from the Guest Editors

Dear Colleagues,

It is a pleasure to announce the Special Issue “Gravity, black holes and cosmology XXI”. Since its first applications in the XX century, and the crowning with the formulation of the Standard Model of electroweak and strong interactions, quantum field theory has evolved, both in meaning and intention. Its perturbative and nonperturbative incarnations have been playing an undisputed role in modern theoretical physics, not only in the refinement of the Standard Model and of its supersymmetric extensions, but also in the quest for a quantum theory of gravitation, carried on in the programs of string theory, supergravity, and many other quantum gravities (nonlocal quantum gravity, asymptotic safety, group field theory, and so on) [...].

For further information, please visit [http://www.mdpi.com/journal/universe/special\\_issues/gravity\\_black\\_holes\\_cosmology](http://www.mdpi.com/journal/universe/special_issues/gravity_black_holes_cosmology).

Review and perspective papers are especially welcome. All papers in this special issue will be published **\*free of charge\***.

Prof. Dr. Gianluca Calcagni

Prof. Dr. Cosimo Bambi

Prof. Dr. Leonardo Modesto

*Guest Editors*



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# Special Issue



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## 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.

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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  
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