

Special Issue

VLBI Science Applications

Message from the Guest Editors

Very long baseline interferometry (VLBI) is a technique that provides the highest angular resolution in astronomy and also the highest precision for astrometry. It is a mature technique, originally developed in the 1960s, with unique applications in astronomy, geodesy, and planetary sciences. VLBI offers unique opportunities to study extreme physical phenomena in the universe with unprecedented image resolution and precision. The aim of this Special Issue is to provide an overview of the state-of-the-art scientific results and future developments in each field of VLBI applications. Some topics that will be covered are the latest achievements in VLBI (cm, mm, space), future space missions and concepts (space–ground, space–space, small or larger number of antennas), the science of jets and black holes, tests of general relativity, transients, masers, star and planet formation, and astrometry.

Guest Editors

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Dr. C. M. Violette Impellizzeri

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Deadline for manuscript submissions

closed (28 February 2022)



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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.

Editor-in-Chief

Prof. Dr. Lorenzo Iorio

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