

Special Issue

Solar Radio Emissions

Message from the Guest Editors

Solar radio astronomy is a burgeoning field affecting almost all branches of solar physics, space weather, and even other branches of astrophysics. In order to exhibit the new, up-to-date progress obtained in this domain, we welcome colleagues to submit their new manuscripts on one or more of the following topics for this Special Issue:

- New observational phenomena of solar radio emissions
- New discoveries of spectral fine structures of solar radio bursts
- New theoretical explanations of solar radio bursts, including an explanation of the origin and formation mechanism of the solar radio Zebra pattern, fiber bursts, spike groups, the fine structures of type II, III, and IV bursts, and multi-timescale QPP
- Radio signals of magnetic reconnections and shock waves
- Radio precursors of solar flares and CMEs
- Diagnostics of coronal magnetic fields from radio emissions
- Radio emissions related to particle acceleration and propagations
- Advanced methods to predict solar activities and space weather by using solar radio observations
- Possible clues for new physics knowledge hidden by solar radio emissions, such as signals for dark matter, solar interior structures and dynamics, etc.

Guest Editors

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Deadline for manuscript submissions

closed (30 April 2023)



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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.

Editor-in-Chief

Prof. Dr. Lorenzo Iorio
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