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Fast Radio Bursts

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closed (30 September 2021)

Message from the Guest Editors

Dear Colleagues,

Fast radio bursts (FRBs) are enigmatic transients that appear several thousand times a day in the sky, yet we still are not sure about their origin. Important observational results related to this phenomenon have been obtained regularly since 2013 thanks to old and new instruments such as Parkes, CHIME, ASKAP, UTMOST, FAST, and SRT. These observational results have also been accompanied by many theoretical studies. Recent discoveries of periodicity in activity periods of several repeating FRBs and of simultaneous X/gamma-ray and FRB-like radio bursts from a Galactic magnetar shed new light on properties of sources, but also pose new questions.

The purpose of this Special Issue is to present contributions that describe recent observational and theoretical results on FRBs.

Papers on multi-messenger observations, usage of FRBs as probes of the Universe, emission mechanisms, and population studies of these transients are especially welcome.

For detailed information, please visit [here](#).

Prof. Dr. Marta Burgay

Prof. Dr. Sergei Popov

Guest Editors



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Special Issue



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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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