# Special Issue

# The Advances in Algebraic Coding Theory

## Message from the Guest Editors

Coding Theory covers several topics and is a widely studied multidisciplinary subject, involving techniques from computer science, engineering, information theory and mathematics. From both a theoretical and a computational point of view, algebra has established itself as one of the main reference areas in researching codes, their properties, encoding and decoding algorithms and other related aspects of Coding Theory. The continuous development and increasing relevance of digital data utilization makes Coding Theory a research field of primary interest that needs constant study and updates for keeping up with the technological demands of modern society. In particular, it is essential that messages reach the destination correctly, without errors that can occur due the presence of noise in the communication channel. Therefore, error correction codes are necessary in order to obtain efficient methods for detecting and correcting as many errors as possible. The aim of the present Special Issue is to encourage the study of algebraic topics related to coding theory, as well as the development of new techniques for detecting and correcting errors...

## Guest Editors

Dr. Nadir Murru

Dr. Alessio Meneghetti

Dr. Danilo Bazzanella

Dr. Stefano Barbero

## Deadline for manuscript submissions

closed (31 August 2023)

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*Symmetry*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
symmetry@mdpi.com

mdpi.com/journal/symmetry

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Symmetry is ultimately the most important concept in natural sciences. It is not surprising then that very basic and fundamental research achievements are related to symmetry. For instance, the Nobel Prize in Physics 1979 (Glashow, Salam, Weinberg) was received for a unified symmetry description of electromagnetic and weak interactions, while the Nobel Prize in Physics 2008 (Nambu, Kobayashi, Maskawa) was received for the discovery of the mechanism of spontaneous breaking of symmetry, including CP symmetry. Our journal is named *Symmetry* and it manifests its fundamental role in nature.

### Editor-in-Chief

Prof. Dr. Sergei Odintsov
1. ICREA, 08010 Barcelona, Spain
2. Institute of Space Sciences (IEEC-CSIC), C. Can Magrans s/n, 08193 Barcelona, Spain

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