



Methods on Discrete Dynamical Systems, Networks, and Optimization for Signal Modelling

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

This Special Issue aims at collecting the latest results related to Discrete Dynamical Systems, Mathematics of Networks, Optimization, and their application in the mathematical modeling of Signals.

This Special Issue will accept high-quality papers having original research results, and its purpose is to bring together Mathematicians with Engineers, as well as other scientists.

Topics to be covered included but are not limited to:

Differential/difference equations;

Partial differential equations;

Dynamical systems;

Mathematics of networks;

Fractional calculus;

Modelling and stability analysis of signal models;

Discrete calculus;

Circuits theory;

Signal processing.

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Message from the Editor-in-Chief

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.

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