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Memristors – from Next Generation Devices to Unconventional and Bio-Inspired Circuits and Systems

Guest Editors:

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Deadline for manuscript submissions:
closed (31 October 2021)

Message from the Guest Editors

Dear Colleagues,

Memristors and memristive circuits are applied in various current research fields, including nonlinear circuits, neuroscience, security, next generation memory devices, to mention a few.

This SI aims to compile the latest and most promising high-level research results. The topics of interest include, non-exhaustively:

Memristor theory, modeling and simulation;

Functional materials and novel memristive devices;

Memristor-based circuits, systems, architectures and applications;

Unconventional architectures including memristor-CMOS integration;

Neuromorphic and bioinspired circuits and systems;

Artificial Intelligence and Neural Networks;

Memristive sensors;

IoT and security applications;

Nonlinear dynamics, chaos and complex networks

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Message from the Editor-in-Chief

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