



## 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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