



Advanced Signal Processing and Circuit Analysis

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Message from the Guest Editors

The electronic circuit consists of vital components such as diodes, resistors, inductors, capacitors, transformers, amplifiers and batteries. Various types of sensors are employed in circuits to measure quantities such as voltage, current, flux and acceleration, etc. The signals coming from sensors need signal conditioning and processing networks to remove noise and other harmonics. The Special Issue will focus on applications of advanced signal processing and circuit analysis techniques in machine fault diagnostics, energy management, e-health systems, heterogeneous networks, fiber optics, modern communication channels, environment forecasting and resource management, the integration of hardware and software technologies, Artificial Intelligence (AI), Internet of Things (IoT) and microelectronics applications in smart cities.

- Advanced signal and image processing techniques
- Advances in semi-conductor devices
- Microelectronic circuit analysis
- Sensor measurements
- Smart sensors for machine fault analysis
- Digital technologies for health management
- AI and IoT for smart healthcare
- Advanced circuits for intelligent transportation
- Optical networks





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Message from the Editor-in-Chief

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