Electronics Letters Scope

Electronics Letters is an internationally renowned peer-reviewed rapid-communication journal that publishes short original research papers every two weeks. Its broad and interdisciplinary scope covers the latest developments in all electronic engineering related fields. Each issue also provides further insight into recent research with special features and interviews with its authors, editorial Board and guest writers.

Electronics Letters now accepts papers up to six columns in length and has an Open Access publishing option (please see the Author Guide for more information).

The scope listing below is not exhaustive. Please contact eletters@theiet.org with questions regarding paper scope or suitability.

The major themes of the journal are listed below with some key topics within each field indicated:

Antennas and Propagation

- Metamaterial and Metasurface Antennas
- Antenna Design and Testing
- Wearable/Implantable Antennas
- Wave Propagation and Detection
- Radiofrequency Identification

Biomedical and Bioinspired Technologies, Signal Processing and Applications

- Healthcare Technologies
- Biomedical Signal and Image Processing
- Medical Instrumentation
- Robotics for Healthcare Applications
- Synthetic Biology
- Biometrics

Control Engineering

- Control Theory, Engineering and Practice
- Robotic Control and Navigation
- Control Networks and Algorithms
- Support Vector Machines and Learning Systems
- Motor and Robust Control

Electromagnetism: Theory, Materials and Devices

- Magnetic Materials and Devices
- Dielectric Materials and Devices
- Superconducting Circuits and Systems

- Electromagnetic Compatibility and Interference
- Electromagnetic Theory and Wave Propagation
- Electromagnetic Device Simulation and Measurement

Electronic Circuits and Systems

- Organic and Inorganic Circuits and Devices
- Analog and Digital Circuits
- Cryptographic Circuits
- Embedded and CMOS Integrated Circuit Systems and Design
- Circuit Theory and Modelling

Image, Video and Vision Processing and Applications

- Display Technologies
- Computer, Machine and Robot Vision
- Human Visual System and Sensors
- Image Sensors
- Colour Coding and Analysis
- Neural and Deep Learning Networks for Image and Video Processing

Information, Computing and Communications

- Artificial Intelligence and Machine Learning
- Information and Graph Theory
- Computing, Programming and Coding
- Communication Theory and Network Management
- QPSK and Queueing Theory
- Cyber Security

Instrumentation and Measurement

- Acoustical Engineering
- Sensors
- Automated Equipment and Measurement Processes
- Industrial Device Applications

Microwave Technology

- Microwave, Radio and Terahertz Circuits, Systems and Devices
- Substrate Integrated Waveguides
- Waveguide and Microwave Circuit Components

Micro and Nanotechnology

- ‘Lab-on-a-chip’ Systems
- Micro and Nanoscale Devices and Structures
- Microelectronics and MEMS

- Fabrication and Modelling of Micro and Nano-systems

Optical Communications

- Optical Computing, Logic and Signal Processing
- Optical Sensors
- Fibre Optic Communication, Theory and Devices
- Free-Space Optical Communications

Photonics and Opto-electronics

- Laser Design, Testing, Measurement and Applications
- Optical Integrated Circuits and Components
- Wave Control: Filters and Gratings
- Photodetectors

Power Electronics, Energy and Sustainability

- Smart Grid and Power Distribution
- Energy Harvesting and Storage
- Power Circuits and Devices
- Photovoltaic and Renewable Power Systems

Radar, Sonar and Navigation

- Transport and Traffic Management
- Remote Sensing
- Autonomous Vehicles
- Target Tracking and Navigation
- Radar and Sonar Image and Signal Processing

Semiconductor Technology

- Lithography and Device Fabrication Techniques
- Semiconductor Device Testing and Characterisation
- Semiconductor Circuit Components
- Semiconductor Materials Production and Testing

Signal Processing

- Speech and Audio Processing and Translation
- Analogue and Digital Signal Processing
- Processing Theory
- Time-frequency Analysis and Signal Transforms

Wireless Communications

- MIMO
- Wireless Networks

- Channel Fading and Optimisation
- Cognitive Radio
- User Access, Management and Security