

IET Communications Special Issue Call for Papers

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For a special issue on:

Advanced Technologies and Applications of Optical Wireless Communication

It is the consensus that future networks require much higher capacity, data rate, spectral efficiency, energy efficiency and improved user experience. This has motivated exploration of new spectrum, new technologies and new architectures to cater to the ever-increasing demands. This special issue will present state-of-the-art research and applications of optical wireless communication (OWC) systems for future networks; including heterogeneous network architecture, advance technologies and implementations.

At the same time, we aim to bring together researchers and practitioners from both academia and industry to expose the unsolved challenges, address the significant advancements made, and present the need for integration with new technologies in OWC based networks.

In order to do this, the editors invite original papers about the theory and applications of optical wireless communication describing scientific methods and technologies on future networks. Submissions of scientific results from experts in academia and industry worldwide are strongly encouraged.

Potential topics of interest include, but are not limited to:

- Advanced technologies in OWC, for example, modulation, coding, anti-interference, multiplexing, multiple access, MIMO, infra-red, ultra-violet and visible light communications (VLC);
- Heterogeneous network architecture, protocol, relay and handover based on OWC;
- Resource management, resource allocation, scheduling and load balancing in OWC;
- Device-to-device communications in optical wireless communication;
- Energy efficiency and spectral efficiency calculation and analysis in OWC based networks;
- OWC applications, for example, indoor positioning and smart homes

Submit your paper to the manuscript submission and peer review site via the following link:

www.ietdl.org/IET-COM

Publication Schedule:

Submission Deadline:

31 June 2018

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