# **Special Issue**

# Emerging Multimode Fiber Technologies for Communications and Beyond

## Message from the Guest Editors

Multimode fibres (MMFs) are at the core of numerous areas of development and research. While for many years, MMF was predominantly employed as a powerefficient cable for short-distance speckled light transport, its complex transmission properties can now be overcome and exploited with modern technologies. This Special Issue looks at the latest trends in MMFs supporting multiple transverse modes and/or are equipped with multiple (multimodal) cores, known as multicore fibre MCFs. The range of applications for this material include, and are not limited to: communications, biomedical imaging, spectroscopy and complex lasers. This Special Issue aims to gather original research and review articles in different stages of development, from new challenges and theories to approaches, applications, devices and systems and networks. For more details, please visit here.

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## Deadline for manuscript submissions

closed (25 April 2025)



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Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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