# **Special Issue**

# Next-Generation Optical Communication Technology for Enabling Versatile Data Sensing

# Message from the Guest Editor

With the advancement of the global economy, in recent years there has been growing interest in the development of technologies that consider the sustainability of the global environment; this includes reducing carbon dioxide emissions. On the other hand, data-driven technologies such as Al require a large number of semiconductor devices and systems, resulting in significant power consumption. Optical communication technology is once again attracting attention not only for its ability to transmit and receive large volumes of data, but also due to its application as a low-power solution for handling massive data traffic. This Special Issue aims to compile research related to innovative infrastructure technologies that support a data-driven society, in which diverse data are sensed and utilized to promote sustainable social and economic development. We are particularly interested in the application of technologies that leverage the rapidly advancing field of optical communication.

### **Guest Editor**

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## Message from the Editor-in-Chief

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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