Special Issue

New Chances of Optical Fiber Network

Message from the Guest Editors

The United Nations (UN) General Council has announced that 2022 is formally designated as the UN International Year of Glass. It shows glass's essential role in human life and the prospect of further exploring its hidden functions in more and more areas. As a special form of glass, optical fiber has profound effects on human lives; optical fiber networks have become one of the largest infrastructures in the world. How to make the best use of this widespread fiber network has been the subject of intense scholarly debate. In addition to the basic telecommunication function, several new chances of optical fiber network have been studied in recent years. Therefore, this Special Issue is intended for the presentation of new ideas and experimental results of these new chances, such as synchronization and timing network, quantum key distribution network, urban fiber network sensing, distributed acoustic sensing network, next-generation seismic network, phased array observation/radio telescope array based on fiber network, and all areas relevant to hidden functions of optical fiber network.

Guest Editors

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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