

Special Issue

Advances in Orbital Angular Momentum (OAM)

Message from the Guest Editors

Orbital angular momentum (OAM) multiplexing technology represents a new method that could solve the channel capacity crisis and improve the performance of network bandwidth. Beyond optical wavelengths, OAM is becoming an important concept in electron, X-ray, and radio frequency beams. OAM applications have impacted various fields, ranging from optical manipulation, non-linear and quantum optics, to imaging. Nevertheless, the transmission performance of the OAM energy is limited due to certain interference factors. Therefore, new technologies for generating OAM power with the characteristics of high order, high purity, wide bandwidth, etc., are urgently needed. This Special Issue plans to give an overview of the most recent advances in the field of OAM designs, and their applications in diverse areas. This Special Issue will focus on providing selected contributions on advances in the purity, efficiency, and bandwidth of orbital angular momentum structures, as well as other related technologies.

More details and submission link:

https://www.mdpi.com/journal/applsci/special_issues/EH656WEB2F

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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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