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# Coherent and Polarization Optics

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## Message from the Guest Editors

Dear Colleagues,

Coherence and polarization are two of the intrinsic properties of a light field. Extensive research has shown that both of them play a crucial role in determining the light beam propagation and light–matter interaction. The manipulation of coherence and polarization has been recognized as an available method to produce many peculiar physical phenomena, which can be superior in some of these applications, such as free-space optical communications, microdensitometry, optical information processing, and plasmonics. This Special Issue aims to discuss the latest advances on coherent and polarization optics. Although recent interest in the manipulation of coherence and polarization has been increasing and many structured light beams with prescribed distribution of coherence or polarization have been synthesized, most of them have been limited to one-dimensional control. The combination of coherence and polarization may produce novel and beneficial effects. Therefore, this Special Issue encourages discussions on many novel physical features caused by the joint manipulation of optical coherence and polarization.

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## Message from the Editor-in-Chief

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