

Coherence Properties of Light: From Theory to Applications

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Message from the Guest Editors

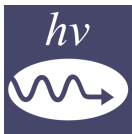
The coherence properties of light are manifestations of correlations between random light fields at two or more different spatial or temporal points, which have played a significant role in understanding interference, propagation, light–matter interactions, and other fundamental aspects of classical and quantum wave fields.

In this Special Issue, original research articles and reviews are welcome, not only exploring the physics of optical coherence, but also how these physical principles apply to practical applications. Research areas may include (but are not limited to) the following:

- Fundamental theory for optical coherence;
- Structured light sources with different coherence states;
- The measurement of coherence properties of light;
- The propagation of partially coherent beams with structured coherence properties;
- The scattering of partially coherent light on deterministic and random media;
- The effect of optical coherence on the interaction of light with different media;
- Applications for optical coherence theory.

We look forward to receiving your contributions.





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Message from the Editor-in-Chief

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