



Correlation Optics

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Message from the Guest Editors

Correlation optics has evolved into an exceptionally fascinating and promising domain in modern optics and photonics with diverse technological developments ranging from imaging to communication, from astronomy to industrial metrology, etc.

This Special Issue aims to highlight the latest developments in correlation-assisted techniques, including novel theoretical aspects, device design and interesting practical applications that can impact the area of optics and photonics.

This Special Issue invites manuscripts that introduce the recent advances in correlation optics and related technologies. For this Special Issue, theoretical, numerical, and experimental papers will be accepted. Topics include, but are not limited to, the following:

- Coherence and polarization;
- Holography;
- Microscopy;
- Speckles;
- Imaging through scattering media;
- Ghost diffraction and imaging;
- Intensity interferometry;
- Metrology;
- Structured light;
- Singular optics;
- Diffractive optics;
- Optical communications;
- Computation optics;
- Compressive sensing;

