

New Frontiers in Plasmonics and Metamaterials

Guest Editor:

Prof. Dr. Yuri Kivshar

Nonlinear Physics Center,
Research School of Physics,
Australian National University,
Canberra, ACT 2601, Australia

Deadline for manuscript
submissions:

closed (30 June 2015)

Message from the Guest Editor

Dear Colleagues,

The current progress in nanophotonics is explained by the excitement of achieving enhanced near-field effects and breaking the diffraction limit for light localization and imaging. Recent years have witnessed a growing research interest in the study of plasmonic structures and photonic metasurfaces. This Special Issue is expected to boost the development of new directions in the field of plasmonics and metamaterials to foreseen ground-breaking discoveries and provide novel avenues for important applications. The elements of plasmonics are spread across disciplines, and many of the recent ideas are based on the concepts of metamaterials and metadevices. We expect that papers of this Special Issue will explore the confluence of subwavelength photonics, metamaterials concepts, quantum theory, graphene physics, and nonlinear optics, to provide an interdisciplinary platform for novel photonics applications.

Prof. Dr. Yuri S. Kivshar

Guest Editor

