



International Journal of Optics

Special Issue on

Functional Structural Surfaces: Theory, Design, and Applications

CALL FOR PAPERS

Electromagnetic or optical structural surfaces, as a kind of special two-dimensional artificial surface structures, are thin-layer patterned subwavelength structures that interact strongly with electromagnetic waves, such as metasurfaces, spoof surface plasmon polaritons, graphenes, and electromagnetic band gap. Functional structural surfaces have become the subject of several rapidly growing research areas and have demonstrated a lot of useful properties of artificial-surface-based devices with engineered resonant electric and magnetic optical responses.

This special issue is devoted to functional structural surfaces, which have plentiful applications in electromagnetic and optical engineering. Innovative designs providing new physics and novel functions are welcome. We invite original research articles and review articles that will stimulate efforts in the field of artificial structural surfaces.

Potential topics include but are not limited to the following:

- ▶ Functional graphenes
- ▶ Electromagnetic band gap structures
- ▶ Coding, digital, and programmable metasurfaces
- ▶ Polarization surfaces
- ▶ Absorbing surfaces
- ▶ Spoof surface plasmon polaritons
- ▶ Diffusion surfaces
- ▶ Plasmonic metasurfaces

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