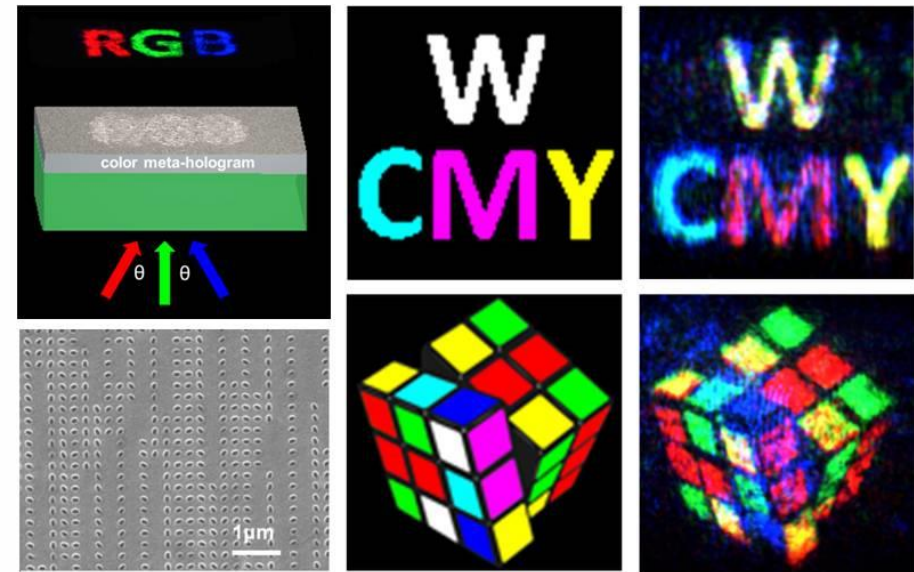


Optical metamaterials and metasurfaces

- > Optical materials and nanostructures in photonics, plasmonics and metamaterials
- > Physics and applications of optical metamaterials and metasurfaces
- > Photon management for solar/thermal energy harvesting
- > Thermoplasmonics and nanoscale heat transfer
- > Nanoscale optical forces, optomechanics and optical MEMS/NEMS
- > Integrated optofluidic devices and optical sensors
- > Optical device micro-/nano-fabrication



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Funding

- National Science Foundation
- Department of Defense

Keywords

- optics, photonics, metamaterials, metasurfaces, energy harvesting, heat transfer, optical sensors

Recognitions

- NSF CAREER Award, 2016
- ONR Young Investigator Award, 2016

Collaborative Interests

- Ultrafast and nonlinear optics, visible and infrared spectroscopy, optical sensor devices