

OSS16-2016-000075

Abstract for an Invited Paper
for the OSS16 Meeting of
the American Physical Society

Nanophotonic Activities within AFRL/RX

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A variety of activities under the broad umbrella of nanophotonics are being conducted within the Materials and Manufacturing Directorate. These include activities utilizing metallic, ceramic, and dielectric nanospheres and nanorods interacting with soft matter matrices, a variety of near-field studies, and the periodic alignment of nanosized objects on a variety of templated architectures. These have broad application in variety of optical, opto-electronic, and electro-optic applications. This presentation will discuss several different vignettes of past and current research in these areas.