

Simplifying Digital Array Architectures with Multifunctional Metasurface Apertures

**Timothy A. Sleasman, David B. Shrekenhamer, Paul A. Vichot, and
Stephanie D. Lashley**

ABSTRACT

Holographic metasurfaces, tailored to exhibit a precise electromagnetic response from a low profile, are a powerful platform for wavefront control and angular (en- U) and spectral (en- λ) steering.

²L. P lido-Mancera, P. T. Bo en, M. F. Imani, N. K nd , and D. Smi h, Polari abili y e rac ion of complemen ary me ama erial elemen s in a eg ides for aper re modeling, , .. , . B, ol. 96, no. e100