

Terahertz Photonics on a Chip

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Abstract— In this talk, I will introduce a monolithically-integrated terahertz optoelectronics platform based on quantum-well structures, enabling the realization of different terahertz imaging, spectroscopy, and communication systems on a single-chip.

Mona Jarrahi is a Professor and Northrop Grumman Endowed Chair in Electrical and Computer Engineering at UCLA and the Director of the Terahertz Electronics Laboratory. Prof. Jarrahi has made significant contributions to the development of ultrafast electronic and optoelectronic devices and integrated systems for terahertz, infrared, and millimeter-wave sensing, imaging, computing, and communication.

