



University of Crete
Department of Physics

Physics Colloquium

Thursday, 3 March 2022 | 17:00 – 18:00, Online with ZOOM

Photonic technologies for optical computing and signal processing

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ABSTRACT

The talk will provide recent advancements in photonic integrated technologies and their application in optical computing and signal processing. It will include an introduction to the optical RAM principles, as well as significant recent research achievements, such as the realization of the world's fastest optical RAM cell. Fascinating photonic integration application aspects will be discussed, including ultra-compact nanophotonic memories, photonic integrated waveguide amplifiers, high-speed transceiver and routing technologies.

ZOOM Link: <https://zoom.us/j/96690435074?pwd=V2R1NFNud3o2MXRYVGZ6a3NHZGxwZz09>