

The Photonics Institute

Plasmonics with semiconductors: from exotic science to working devices

By

Prof Meir Orenstein

Elron- Elbit professor of EE at the Technion, Israel

Date: 13 November 2015 (Friday)

Time: 11.00 - 12.00

Venue: MAS Executive Classroom 1 (SPMS-MAS-03-06)

Host: Prof N. Zheludev

Abstract

Recent phenomena in plasmonics and metamaterials will be presented and their impact on actual optoelectronic device performance such as quantum cascade detectors and light emitters will be discussed



Short Biography

Meir Orenstein is the Elron- Elbit professor of EE at the Technion, with expertise in semiconductor optoelectronics and nanophotonics. Has ~450 peer reviewed papers in Journals and conferences, 22 patents and he is heading the Micro/Nanophotonics lab. He is the co founder of two photonic start-up companies and the initiator of the national program of "Nanophotonics for Detection and Sensing". Meir Orenstein is the inventor of the proton implanted VCSEL, the two-photon LED and the charge-discharge micro ring modulator..