



SEMINAR

Multiphoton quantum phenomena in periodic and dynamically disordered waveguide networks

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<u>Abstract</u>

Propagation of single photons through waveguide lattices results in a spatially redistributed probability pattern known as discrete diffraction. As it turns out, single-photon dynamics in such discrete systems do not show any divergence from wave optics. Rather the richness and complexity of genuine quantum processes are more prominent when a manifold of indistinguishable photons is considered. In this presentation I will discus our recent results on multiphoton dynamics in ordered and noisy tight-binding lattices.

12:30 בשעה 5.12.18-ה, ההרצאה תתקיים ביום רביעי באודיטוריום המכון למצב מוצק, קומת כניסה The lecture will take place on Wednesday, 5.12.18 at 12:30 at the Solid State Institute auditorium, entrance floor

Host: Distinguished Professor Moti Segev