



Solid State Institute
המכון למצב מוצק

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Nonlinear Topological Photonics

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Abstract

I will present my group's recent experimental results on the nonlinear properties of photonic topological protection in waveguide arrays, including the observation of bulk and edge solitons and quantized soliton motion in photonic Thouless pumps. Finally, I will describe our proposal for how photonic topological protection can be used to simultaneously overcome the fundamental obstacles of large backscattering and small bandwidth in slow-light systems.

ההרצאה תתקיים ביום רביעי, ה-8.6.22 בשעה 12:30
באודיטוריום המכון למצב מוצק, קומת כניסה

**The lecture will take place on Wednesday, 8.6.22 at 12:30
at the Solid State Institute Auditorium, entrance floor**

Host: Distinguished Professor Moti Segev