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SEMINAR **סמינר**

Time-Resolved Imaging by Multiplexed Ptychography (TIMP)

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Abstract

Our group proposed recently a scheme for time-resolved microscopy of fast transient non-repetitive events. This technique, termed time-resolved imaging by multiplexed ptychography (TIMP), is based on an algorithmic reconstruction of multiple frames from data recorded in a single camera acquisition of a single-shot ptychographic microscope.

In this talk I will introduce the concepts of ptychography and TIMP, and present an experimental demonstration of TIMP, reconstructing thirty-six frames of a dynamical complex-valued object from ptychographic data recorded in a single CCD snapshot.

ההרצאה תתקיים ביום רביעי, ה-5.6.19 בשעה 12:30
באודיטוריום המכון למצב מוצק, קומת כניסה
The lecture will take place on Wednesday, 5.6.19 at 12:30
at the Solid State Institute auditorium, entrance floor

M.Sc. Student of Associate Professor Oren Cohen