



Solid State Institute
המכון למצב מוצק

TECHNION
Israel Institute
of Technology



הטכניון
מכון טכנולוגי
לישראל

SPECIAL SEMINAR

סמינר מיוחד

Spatio-temporal optical vortices

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Abstract

I will describe our discovery of spatio-temporal optical vortices (STOVs), a new type of orbital angular momentum structure that appears spontaneously in the arrested catastrophic collapse of a self-focusing pulse. Although previously unanticipated, STOVs appear to be a common and universal, providing a unifying picture of nonlinear self-guided propagation and its robustness. I will also present recent single shot measurements catching an ultrashort STOV-carrying pulse in mid-flight.

ההרצאה תתקיים ביום ראשון, ה-7.7.19 בשעה 12:30
באודיטוריום המכון למצב מוצק, קומת כניסה

**The lecture will take place on Sunday, 7.7.19 at 12:30
at the Solid State Institute auditorium, entrance floor**

Host: Distinguished Professor Moti Segev