



Solid State Institute
המכון למצב מוצק

TECHNION
Israel Institute
of Technology



הטכניון
מכון טכנולוגי
לישראל

SPECIAL SEMINAR

סמינר מיוחד

Diamond light matter quantum interface

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Abstract

Efficient interfaces between photons and atoms are crucial for quantum networks and enable nonlinear optical devices operating at the single-photon level. In this talk I will highlight properties of single color centers at low temperatures and show that single color centers in diamond are promising candidates for creating such interfaces. I will also discuss application of single spins in diamond for nanoscale sensing.

ההרצאה תתקיים ביום שני, ה-23.10.17 בשעה 11:30

באודיטוריום המכון למצב מוצק, קומת כניסה

**The lecture will take place on Monday, 23.10.17 at 11:30
at the Solid State Institute auditorium, entrance floor**

Host: Prof. David Gershoni