



**Southeastern Michigan Section
"Chapter IV" Speaker Series
Thur., April 7, 2011, 6:00 pm
2011 SEM Spring Conference
Room #117, Fairlane Center North,
Fairlane Campus, University of Michigan
19000 Hubbard Dr, Dearborn, MI**



Hamessing Radiation Pressure

Tal Carmon, Ph.D

Assistant Professor, Electrical Engineering and Computer Science Department,
University of Michigan, Ann Arbor, MI, USA

Abstract:

Dr. Tal Carmon will report on their recent experimental results in exciting mechanical modes from 50 MHz to 11 GHz in silica micro-spheres. The vibration is excited with light and is opening a new way to control optical devices. Applications of this technique include local oscillators and sensors.

Speaker's Biography:

Dr. Tal Carmon is an Assistant Professor at the Optics and Photonic center at the University of Michigan, Ann Arbor where he uses the pressure that light applies to control photonic-MEMS. He received his PhD from the Israel Institute of technology and is the recipient of the Air Force Young Investigator Award.

Registration online: <http://www.ieee-sem.org/sectionregistration.html>

Conference: 5:00 pm - 9:00 pm

Public Invited

The 2011 SEM Spring Conference will take place on:

April 7, 2011

(Registration: 5:00PM)

at: Fairlane Campus - U of M Dearborn

**University of Michigan
School of Management
Fairlane Center North
19000 Hubbard Drive
Dearborn, MI 48126**

TITLE:

Harnessing Radiation Pressure

PRESENTER:

Tal Carmon, Ph.D.

Assistant Professor, University of Michigan, Ann Arbor, MI, USA

ABSTRACT:

I will report on our recent experimental results in exciting mechanical modes from 50 MHz to 11 GHz in silica micro-spheres. The vibration is excited with light and is opening a new way to control optical devices. Applications include local oscillators and sensors.

BIO:

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PICTURE:

