



הטכניון - מכון טכנולוגי לישראל

הפקולטה להנדסת חשמל

אלקטרוניקה ■■■■■

מחשבים ■■■■■

תקשורת ■■■■■

## הרצאת אורח - Guest Lecture

You are invited to attend a lecture by

הנכם מוזמנים להרצאה של

**Shawn Lankton and Romeil Sandhu**

Georgia Institute of Technology  
School of ECE

בנושא:

### New Results in 3D Tracking

The effective treatment of 3D visual data for tracking presents a number of challenges both practical and theoretical. In particular, the problem of 3D registration becomes quite critical, as well as the need perform both 3D segmentation and registration in real time. We will describe a particle filtering approach for the problem of registering two point sets that differ by a rigid body transformation. We will also indicate how 2D segmentation may be used to drive 3D pose estimation and vice versa in a joint variational framework. The approach differs from standard monocular 3D pose estimation algorithms since it does not rely on local image features. Here we use global image statistics to drive the pose estimation process.

The lecture will take place on Thursday, 5/11/2009  
at 15:30 in room 861  
Electrical Eng. Building  
Technion City

ההרצאה תתקיים ביום חמישי, 5/11/2009  
בשעה 15:30 בחדר 861  
בבניין הפקולטה להנדסת חשמל  
קריית הטכניון

כיבוד קל יוגש לפני ההרצאה

