

The Faculty of Mathematics and Computer Science
The Weizmann Institute of Science
announces the sixteenth

Chaim Leib Pekeris Memorial Lecture

to be delivered by

Professor Daphne Koller

Stanford University

Sponsored by the Arthur and Rochelle Belfer Institute of Mathematics and Computer Science
at The Weizmann Institute of Science

The title:

Probabilistic Models for Holistic Scene Understanding

on Wednesday, June 17, 2009, at 16:00
in the Dolfi and Lola Ebner Auditorium, on campus

A reception in honor of Prof. Koller will be held after the lecture

Abstract

Over recent years, computer vision has made great strides towards annotating parts of an image with coherent semantic labels (such as car, road, person, sky, and so on). However, current methods make no attempt to understand the image as a whole, and therefore cannot draw on powerful contextual cues to help resolve ambiguities. In this talk, I will describe some recent work that uses probabilistic models and machine learning to interpret images holistically and move us closer toward the goal of semantic scene understanding