

## SPCOMIT Seminar Invitation

Title: Deep learning in linear models.

Speaker: Prof. Ami Wiesel (The Hebrew University of Jerusalem)

### Abstract

In this talk, we will address the use of deep learning in inference in classical linear models. Traditionally, such parametric detection and estimation problems were solved using likelihood based techniques that led to difficult optimization problems. We will re-consider them building upon the recent developments in deep neural networks. The architectures of the proposed networks are inspired by unfolding likelihood based techniques. We will demonstrate these ideas and their advantages in two classical settings: binary least squares and robust linear regression.

The seminar will take place on **Tuesday, 07-11-2017, 13:10, in room 102 building 33.**