

# Topology Seminar

**Thomas Kragh**

of University of Oslo and MIT will be speaking on

## Nearby Lagrangians

on September 13 at 4:30 in  
MIT Room 2-131

The first part of this talk is basic definitions and statement of the Nearby Lagrangian Conjecture (NLC). I will then go on describing previous results relating to my talk especially that of Viterbo in 1998 and that of Fukaya, Seidel and Smith in 2007 (refined this year by Abouzaid to a very strong result in the case of vanishing Maslov class). I will then describe an approach using fibered spectra which partly unifies the two rather different approaches and then state new results in the general case (non-vanishing Maslov class) following from a product structure on a fibered spectrum combined with the intersection product on the base manifold (probably relatable to the pair of pants product and a twisted version of the Chas-Sullivan product).