

# Topology Seminar

**David Treumann**

of Boston College will be speaking on

## The Maslov cycle and the J-homomorphism

on November 16 at 4:30 in  
MIT Room 2-131

Let  $L$  be an exact Lagrangian submanifold of a cotangent bundle  $T^*M$ . If a topological obstruction vanishes, a Floer-theoretic construction of Nadler and Zaslow gives a functor from the category of local systems of  $R$ -modules on  $L$  to the category of constructible sheaves of  $R$ -modules on  $M$ . I will discuss a variation of this construction that allows  $R$  to be a ring spectrum. I hope it won't take any knowledge of symplectic geometry to follow the talk. This is joint work with Xin Jin.