

BOSTON UNIVERSITY GEOMETRY AND PHYSICS SEMINAR

**A NEW PERSPECTIVE ON HOMOLOGICAL  
MIRROR SYMMETRY FOR TORIC  
VARIETIES**

Andrew Hanlon  
Harvard & University of California - Berkeley

February 13, 2019, 4:00 – 5:00pm  
Math/Computer Science, Room 148  
111 Cummington Street, Boston

Tea: 3:45pm in Room 144

**Abstract:** We will discuss a new model for the Fukaya-Seidel category of a Laurent polynomial and its applications to HMS for toric varieties. In particular, we will see how an explicit construction of Lagrangian submanifolds mirror to line bundles allows us to examine a certain monodromy action and associated natural transformations.

See <http://math.bu.edu/research/geom/seminar.html> or contact Yoosik Kim ([yoosik@bu.edu](mailto:yoosik@bu.edu)) or Siu-Cheong Lau ([lau@math.bu.edu](mailto:lau@math.bu.edu)) for more information.