## Title: Homological Quantum Group Invariants From Floer Theory

Abstract:

I will describe a theory that gives a uniform approach to categorification of  $U_q(g)$  quantum group link invariants. The theory generalizes Heegard Floer theory, which corresponds to g=su(111), to other Lie superalgebras. It also provides a geometric, and explicitly solvable, description of the categorification of these invariants based on the category of KLRW algebras.