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**Lionel Rosier**, Institut Elie Cartan, Université Henri Poincaré Nancy 1, France, and **Bingyu Zhang\*** (bzhang@math.uc.edu), Department of Mathematical Sciences, University of Cincinnati, Cincinnati, OH 45221. *Exact Controllability of the Nonlinear Schrödinger Equation on a Bounded Interval.*

In this talk we discuss internal controllability and boundary controllability of a class of nonlinear Schrödinger equations posed on a bounded interval with various boundary conditions. It is shown that the systems with either internal control or boundary control are locally exactly controllable in the classical Sobolev space  $H^s$  for any  $s \geq 0$ . (Received August 20, 2007)