

# Control and Stabilization of the Nonlinear Schrödinger Equations on Bounded Domains

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In this talk we will discuss control and stabilization problems of the nonlinear Schrödinger equation posed a bounded domain in  $\mathbf{R}^n$ . Both internal and boundary controls will be considered. We will demonstrate that the control systems are *locally exactly controllable* and *stabilizable*. The results present in this talk are recent joint work with Lionel Rosier.