1086-35-1832 **Jerry L. Bona*** (bona@math.uic.edu), Dept. Math., Statistics & Computer Science, University of Illinois at Chicago, 851 S. Morgan Street, MC 249, Chicago, IL 60607, **Shu-Ming Sun** (sun@math.vt.edu), Department of Mathematics, Virginia Tech, 460 McBryde, Blacksburg, VA 24061, and **Bing-Yu Zhang**, Department of Mathematical Sciences, University of Cincinnati, 839 Old Chemistry, PO Box 213417, Cincinnati, OH 45221. *Non-homogeneous Boundary-Value Problems for the Schrödinger Equation.*

This lecture will deal with initial-boundary-value problems for a class of nonlinear Schrödinger equations posed on the half line and on a bounded interval. Both local and global well-posedness results will be discussed. (Received September 24, 2012)