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**Speaker:** Alex Himonas  
University of Notre Dame

Friday, October 3, 2014  
4:00 PM  
129 Hayes-Healy Hall

**Title:** Initial-boundary value problems for evolution equations

**Abstract:**

A novel approach for solving initial-boundary value problems for linear and integrable nonlinear evolution equations was introduced in 1997. This approach, which is known as the unified transform method (UTM) or the Fokas transform method, will be introduced using well-known models of evolution equations like the nonlinear Schrödinger equation.