

Applied Dynamical Systems Seminar

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**Monday, September 17, 2012
12:00P.M.,HH-3017**

*Travelling wave solutions of a diffusive SIR model
with media impact*

Abstract:

We study the travelling wave solutions of a diffusive SIR model with media impact. The existence of travelling waves is determined by the basic reproduction number of the corresponding ordinary differential equations and the minimal wave speed. Our proof is based on Schauder fixed point theorem and Laplace transform.