

WICHITA STATE UNIVERSITY
Department of Mathematics and Statistics

*The Lecture Series in the
Mathematical Sciences Presents Our Guest:*

Prof. Roman Hric

Matej Bel University, Slovakia
and
Instituto Superior Tecnico, Lisbon

“Topologically Minimal Sets in Dynamical Systems”

Abstract:

The notion of minimal sets is central in topological dynamics. These sets correspond to the smallest possible components of dynamical systems from the topological point of view.

I will present a survey of the topic pointing out the most important general properties of minimal sets and of the dynamics associated to them. Then I will focus on the main subject of the talk - topological characterization of minimal sets. After recalling several important results, I will present new results on continuous maps on graphs and dendrites due to Francisco Balibrea, Lubomir Snoha and myself. Finally I will discuss recent development on homogeneity of minimal sets.

Friday, May 23, 2003
3:00 PM in 372 Jabara Hall

*Please come join us for refreshments before the lecture
at 2:30 p.m. in room 353 Jabara Hall.*