

WICHITA STATE UNIVERSITY
Department of Mathematics and Statistics

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

Prof. M. Victor Wickerhauser
Washington University in St. Louis

*"Constructing Nonlinear Edge Detectors Using
Fourier Moments."*

Abstract:

Using moments of the local Fourier transform of a function one can build nonlinear filters that distinguish singularities. These may be used to find edges in digital images. The two simplest cases are described in closed form, and an algorithm for the general case is presented.

Wednesday, March 10, 2004
3:00 PM in 226 Jabara Hall

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