

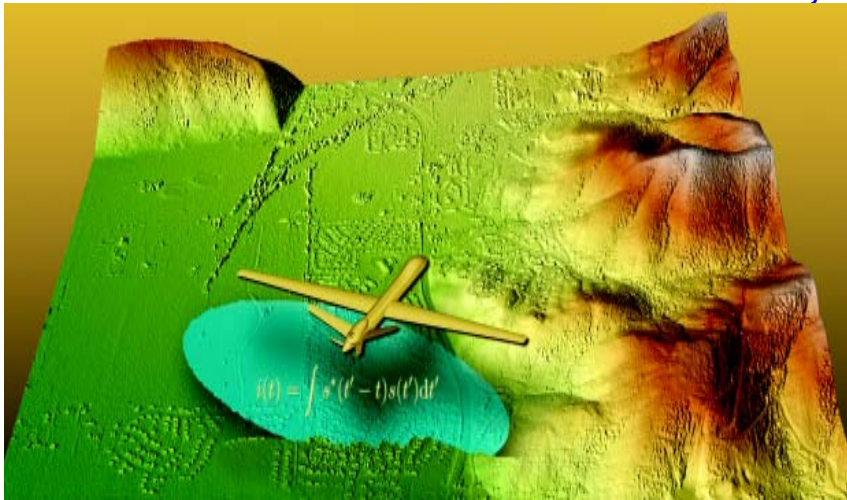
IEEE CIS/IAS SEMINAR

“Some open problem in Dimension Reduction, Inverse Scattering and Power System”

**Dr. Steven Damelin, Institute for Mathematics and its Application,
University of Minnesota**

Wednesday, March 15, 2006, 10:00 AM (Refreshments will be provided)

Emerson Electric Co Hall, Room 101 University of Missouri-Rolla



Nowdays, we are constantly flooded with information of all sorts and forms and a common denominator of data analysis in many emerging fields of current interest are large amounts of observations that have high dimensionality. In this talk, we will outline work in progress that relates to the idea of local dimension reduction in imaging and distributed power networks. The talk will be easy to follow and students are welcome and encouraged to attend.

Steven Damelin is currently a New Directions Professor at the IMA-Institute of Mathematics and its Applications and an Associate Professor of Mathematics at Georgia Southern University. His research concerns various aspects of applied mathematics, harmonic analysis/mathematical physics, discrete mathematics/combinatorics and the interplay between these fields. Steven Damelin most recent efforts have been directed to connecting several exciting areas in imaging; more precisely, compression, feature recognition, scattering, invariants, computer vision, symmetry and large networks.

Steven Damelin recieved his Ph.D in Mathematics from the University of the Witwatersrand in 1996 under Doron Lubinsky currently Full Professor at Georgia Tech, Department of Mathematics.