SE&T Colloquium Series-Winter 2014

Speaker	Dr. Sivaram K. Narayan Department of Mathematics and Statistics Central Michigan University
Title	***Combinatorial Structure of Finite Frames*** Host: Dr. Hasan Al-Halees
Abstract	A frame in an n-dimensional Euclidean space is a possibly redundant collection of vectors that span the space. A tight frame is a generalization of an orthonormal basis. Frames have become a valuable tool in signal and image processing because of their ability to capture signal characteristics and their resilience to erasures. In this talk we present a study of the combinatorial structure of frames and their decompositions into tight subframes by using partially ordered sets (posets). The talk is accessible to undergraduate students with knowledge of linear algebra.
Date	Tuesday, April 1
Time	4:10-5:00pm
Place	Pioneer 240 Refreshments will be served at 4:00pm.