

## Discrete Mathematics Seminar

Time: Friday, 5 April 2013, 1:00-2:00 PM  
Room: 238 Derrick Hall  
Title: Pairings and Permutations  
Speaker: Dr. Robert Ogden, Department of Computer Science (retired)

### Abstract:

Pairings and pairing functions have many uses in mathematics and computer science. Recently, they have been applied by Paul Tarau <http://arxiv.org/abs/0808.0760> to enumerate Boolean Decision Diagrams. For about twenty years, Paul J. Voda <http://ii.fmph.uniba.sk/cl/view.php/> has emphasized the basic importance of pairings and developed Clausal Language [CL] based on them. This talk builds on the basis of preceding talks <http://cs.txstate.edu/~ro01/bsxCodeTalk/> and explores the connection between inductive pairings and permutations of the natural numbers which fix 0.