Northfield Undergraduate Mathematics Symposium

Thursday, Sept. 29, 2011

3:30-5:30, RNS 310 AND 6:00-8:00, RNS 410

3:30 Enumerating Partitions of Generalized Stars
Rob Crandall, St. Olaf

3:50 The Isoperimetric Inequalities on Constant Gauss Curvature Surfaces
Xin Chen, Carleton

4:10 Extremal Graphs Without 4-Cycles or, Why It's Hip To Have No Squares
Frank Firke, Carleton

4:30 Triangle Puzzles and Quantum Cohomology
Erik Wyatt, St. Olaf

4:50 Classifying f-vectors of Manifolds with Boundary
Jonathan Hahn, Carleton

5:10 Restricted Symmetric Signed Permutations
Andy Hardt, Carleton

5:30 Pizza Dinner and Conversation, 6th Floor RMS

6:00 Non-negativity of Generalized Immanants of Monomial Positive Matrices
Vladimir Sotirov, St. Olaf

6:20 The Dirichlet Process Prior in a Hierarchical Catch-Effort Model for Animal Abundance
Prasit Dhakal and Jun Young Park, Carleton

6:40 Thompson's group F: A New Generating Set
Amelia Stonesifer, St. Olaf

7:00 Prediction by Iterative Supervised Principal Components
Sen Zhao, Carleton

7:20 τ-Factorization in the Integers
Nathan Bishop, St. Olaf

7:40 A Method of Word Recognition
Reid Whitaker, Carleton