

Discrete Mathematics & Combinatorics

Location: KTH, Lindstedtsvägen 25, room no. 3721

- **Thursday, March 17**

14:00 – 14:40 Svante Linusson, An interesting Markov chain on cyclic permutations (*Note: location for this talk is at KTH, Lindstedtsvägen 5, Hall D2*)

14:45 – 15:25 Donald E. Knuth, Catalan lattices and bijections (*Note: location for this talk is at KTH, Lindstedtsvägen 5, Hall D2*)

Coffee break

16:00 – 16:40 Klas Markström, The random simplicial complex

16:45 – 17:25 Carl Johan Casselgren, Coloring graphs from random lists

- **Friday, March 18**

14:00 – 14:40 Helge Tverberg, On Toeplitz' conjecture from 1911

14:45 – 15:25 Søren Riis, Open problems in Graphs Guessing Games

Coffee break

16:00 – 16:40 Pinar Heggernes, Graph classes in enumeration

16:45 – 17:25 Lauri Loiskekoski, A graph of a simple polytope without small separators

17:45 – 18:20 Martin Merker, A proof of the Barát-Thomassen-Conjecture

18:25 – 19:00 Thomas Perrett, An iterative version of the naive colouring procedure

- **Saturday, March 19**

14:00 – 14:40 Axel Hultman, Root poset ideals with Koszul Orlik-Solomon algebras

14:45 – 15:25 Patrik Norén, Discrete Morse theory for hull resolutions

Coffee break

16:00 – 16:40 Ragnar Freij, Warmth and Hom complexes of graphs

16:45 – 17:25 Afshin Goodarzi, Shifting techniques in the finite set systems

17:45 – 18:10 Felipe Rincon, Positroids and positively oriented matroids

18:15 – 18:40 Chris Miller, k -regular maps

18:45 – 19:10 Emanuele Ventura, Oriented matroids and real rank geometry of ternary forms