Combinatorial Designs

Organizer(s):
Clement Lam (Concordia University)
G. H. J. van Rees(University of Manitoba)

Description:
This mini-symposium will present a mixture of new results, work-in-progress, and open problems in the area of combinatorial designs. It will demonstrate the practical aspects of algorithmic mathematics when applied to problems in designs.

Titles and Speakers:

- *Search Algorithm for partial geometries with non-trivial automorphism*
  C. Lam (Concordia University)

- *Using Wilson's Theorem to Enumerate BIBDs*
  G. H. J. van Rees(University of Manitoba)

- *Uniform group divisible Steiner quadruple systems*
  <u>M. Keranen</u> (Michigan Technological University), D.L. Kreher(Michigan Technological University), R. Rees (Memorial University)

- *On Generalized Separating Hash Families*
  <u>D. R. Stinson</u> (University of Waterloo), R. Wei (Lakehead University), K. Chen (Yancheng Teachers University)

- *Constructions of Super-simple BIBDs*
  <u>R. Wei</u> (Lakehead University), K. Chen (Yancheng Teachers University)

- *A Multilevel Cooperative Search Algorithm for Finding Covering Designs*
  P. C. (Ben) Li (University of Manitoba)