

July 18-21, 2011

# Graphs, Designs and Algebraic Combinatorics

University of Regina, Regina, Saskatchewan

One aspect common to both graph theory and design theory is the variety of techniques that can be applied in the field. One approach that is particularly appealing is an algebraic approach. For example, many interesting designs and graphs exhibit strong symmetry properties; such designs and graphs can be examined using techniques from group theory. Further, many interesting groups arise naturally in the context of graphs and designs. This is not only mathematically very interesting, but has also produced strong (and sometimes surprising) results. The main objective of this conference is to bring together researchers in design and graph theory to share new methods and results with an algebraic flavour.

*invited speakers:*

**Richard Brualdi**

University of Wisconsin

**Peter Dukes**

University of Victoria

**Bill Martin**

Worcester Polytechnic Institute

**Joy Morris**

University of Lethbridge

**Mike Newman**

University of Ottawa

**Bryan Shader**

University of Wyoming

**Brett Stevens**

Carleton University

All participants are encouraged to give a talk of 25 minutes duration. Some support for local expenses is available for graduate students and postdoctoral fellows attending this conference.

Apply online with your conference registration by June 15, 2011.

The registration fee for this conference is \$100.

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