Submittee: Michael Cavers
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Title: Prairie Discrete Math Workshop (PDMW)
Event Type: Conference-Workshop

Location:
University of Calgary, Calgary, AB

Dates:
May 4 - 5, 2012

Topic:
The workshop covers a broad variety of topics of great importance in discrete mathematics. Topics include graph theory, combinatorics, design theory, combinatorial game theory, discrete geometry and algorithms.

Methodology:
Six invited speakers each gave 50 minute lectures. There were also four contributed 25 minute lectures. Two of these were given by undergraduate students and the other two by postdoctoral fellows.

Objectives Achieved:
The main objective of the Prairie Discrete Mathematics Workshop (PDMW) is to bring together researchers in discrete mathematics in the prairie region (Manitoba, Saskatchewan and Alberta), as well as neighbouring provinces and states, with the goal of providing opportunities for networking and joint research. This objective was met in several ways. Firstly, and most obviously, the lectures served as an opportunity for attendees to learn about the research being done in near-by universities. Secondly, research connections were made at this workshop. See the example under "Scientific Highlights". Thirdly, the workshop had many graduate students (and undergraduate students) who were able to meet with more senior academics. This event was very enjoyable and quite successful.

Scientific Highlights:
Drs Cavers (Calgary), Meagher (Regina) and Nasserasr (Regina) collaborated on a conjecture that originated at the University of Regina. After further collaboration, this conjecture has now been settled and Dr Cavers has joined the project.

Organizers:
Seyffarth, Karen, Department of Mathematics and Statistics, University of Calgary// Cavers, Michael, Department of Mathematics and Statistics, University of Calgary//

Speakers:
See attached program for a list of speakers and abstracts.

Links:
http://math.ucalgary.ca/pdmw/

File Uploads:
Additional Upload 1: http://www.pims.math.ca/files/final_report/PDMW-program.pdf
Additional Upload 2: http://www.pims.math.ca/files/final_report/Participant-List.pdf

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