

**Submittee:** Amir Akbary

**Date Submitted:** 2015-06-22 10:50

**Title:** Alberta Mathematics Dialogue 2015

**Event Type:** Conference-Workshop

---

**Location:**

University of Lethbridge

---

**Dates:**

May 8-9, 2015

---

**Topic:**

Mathematics, Mathematics Education, Number Theory, and Statistics

---

**Methodology:**

Lectures. The five plenary lectures were video-taped, and are available on the conference website. They are also posted on Math-Tube. There was also a short public lecture and two longer discussion sessions: one was on Calculus sequence in Alberta and the other one on exploring the Alberta K-12 mathematics curriculum.

---

**Objectives Achieved:**

Alberta Mathematics Dialogue 2015 provided opportunities for Alberta mathematics researchers and educators to discuss their latest findings and to engage in educational discussions on Alberta K-12 mathematics curriculum and undergraduate mathematics curriculum.

---

**Scientific Highlights:**

There were a number of theory sessions (6 lectures) and a statistic session (3 lectures) focusing on recent developments in robustness of designs. On the education front there was a session on undergraduate teaching and outreach and two discussion sessions: one was on calculus sequence in Alberta and the other one on exploring the Alberta K-12 mathematics curriculum.

---

**Organizers:**

Kharaghani, Hadi, Department of Mathematics and Computer Science, University of Lethbridge //  
Akbary, Amir, Department of Mathematics and Computer Science, University of Lethbridge ///

Sessions organizers were as follows: //

Exploring the Alberta K-12 Mathematics Curriculum: Organized by Richelle Marynowski, University of Lethbridge //

Number Theory: Organized by Amir Akbary, University of Lethbridge, and Peter Zvengrowski, University of Calgary //

Undergraduate Teaching & Outreach: Tales & Tips from the Trenches: Organized by William Hackborn, Augustana Campus, University of Alberta, and Sean Fitzpatrick, University of Lethbridge //

Recent Developments in Robustness of Designs: Doug Wiens, University of Alberta

---

**Speakers:**

Plenary Speakers: //

Rob Craigen, University of Manitoba //

Richard Guy, University of Calgary //

Ram Murty, Queen's University (Public Lecture) //

Doug Wiens, University of Alberta //

Peter Zvengrowski, University of Calgary ///

Number Theory Session Speakers: //

M. Ram Murty, Queen's University //

Farzad Aryan, University of Lethbridge //

Nathan Ng, University of Lethbridge //

Habiba Kadiri, University of Lethbridge //

Amy Feaver, The King's University //

Jeff Bleaney, University of Lethbridge ///

Recent Developments in Robustness of Designs Session Speakers: //

Linglong Kong, University of Alberta //

Zhichun Zhai, University of Alberta //

Rui Hu, University of Alberta ///

Undergraduate Teaching & Outreach: Tales & Tips from the Trenches Session Speakers: //

Claude Laflamme, University of Calgary //

Peter Zizler, Mount Royal University //

Allysa Lumley, University of Lethbridge //

Vincent Bouchard, University of Alberta //

Simon St. Jean, University of Saskatchewan //

Pamini Thangarajah, Mount Royal University //

Michael Cavers, University of Calgary //

Joseph Ling, University of Calgary //

Vladimir Troitsky, University of Alberta ///

Please see the attached programme for the titles and abstracts of the talks.

---

**Links:**

<http://www.cs.uleth.ca/%7Ehadi/AMD/>

<http://www.pims.math.ca/scientific-event/150508-amd>

---

**File Uploads:**

Additional Upload 1: [http://www.pims.math.ca/files/final\\_report/AMD2015-programme.pdf](http://www.pims.math.ca/files/final_report/AMD2015-programme.pdf)

Additional Upload 2: [http://www.pims.math.ca/files/final\\_report/AMD.pdf](http://www.pims.math.ca/files/final_report/AMD.pdf)

---