

CMESG/GCEDM 2011 report and invoice.

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1. The description of the event and activities. (Please refer to [1] for further details.)

CMESG/GCEDM meeting is the annual academic conference in Canada that brings together mathematicians and mathematics educators. This is the main networking event for Mathematics Education in Canada, with a significant participation of graduate students. CMESG/GCEDM is officially bilingual.

The main feature of the conference is the **working group**. This year each of six working group met for three full mornings to interact around a particular topic.

There were two **plenary speaker sessions**, who each addressed the whole conference. In contrast with other conferences where questions are often taken at the end of the presentation, a time slot is assigned for the audience, broken into small groups to discuss and prepare questions that then were presented to the speakers in a question period.

Two other types of sessions provided more traditional forms of presentation: invited **topic sessions** and the **new PhD sessions**.

Over the course of a meeting (and from meeting to meeting) various discussions and ideas emerge among CMESG members. Our program was designed with time and space for members to come together to work on their emergent ideas during **Ad Hoc discussions**.

A range of contributions from research posters, to presentations on community initiatives, from mathematics problems, to mathematics art works were presented at the **CMESG Gallery Walk**, which enhanced our awareness of each other's work.

2. Number of participants: 88, including 6 international participants and 8 regional participants (from NL). Note that this conference is open for all Canadian mathematics educators. However, international participants come by invitation only.

3. Publications.

[1] The Canadian Mathematics Education Study Group 35th Annual meeting, June 10-14, 2011, Memorial University, St. John's campus. Announcement and program. On-line publication at <http://publish.edu.uwo.ca/cmescg/> (in English and French).

[2] Proceedings of "The Canadian Mathematics Education Study Group 35th Annual meeting". (In preparation. To appear at <http://publish.edu.uwo.ca/cmescg/>).

4. Scientific Highlights.

Please refer to [1] for further details.

1. Two plenary lectures were given by world class specialists:

Chris K. Palmer affiliated with Shadowfolds (USA) gave a presentation on the topic “*Pattern Composition: Beyond the Basics*”.

Pessia Tsamir and Dina Tirosh affiliated with School of Education, Tel-Aviv University (Israel) gave a presentation on the topic “*The Pair Dialogue Approach in Mathematics Teacher*”.

2. Two topic sessions were given by internationally known Canadian professors:

David Wagner “*Warm Hands Taking Cold Mathematics*”.

Yvan Saint-Aubin “*How to prepare a public lecture?*” [in mathematics]

3. Six working groups were led by teams that included prominent mathematics educators:

A. Mathematics, Teaching and Climate Change

Leaders: Richard Barwell, Stewart Craven, David Lidstone

B. Meaningful Procedural Knowledge in Mathematics Learning

Leaders: Wes Maciejewski, Joyce Mgombelo, Annie Savard

C. Emergent methods for mathematics education research: Using data to develop theory. Leaders: Souleymane Barry, Olive Chapman, Janelle McFeetors

D. Using simulation to develop students’ mathematical competencies - post-secondary and teacher education. Leaders: Eric Müller, Jean-Phillipe Villeneuve

E. Making Art, Doing Mathematics. Leaders: Eva Knoll, Tara Taylor

F. Selecting Tasks for Future Teachers in Mathematics Education

Leaders: Christian Bernèche, Ralph Mason, Marie-Pier Morin

4. Six talks were given by new PhD who defended their thesis is in a Canadian university during past year.

Jenny Sealy Badee “Opportunities to Learn in and through Professional Development: An Analysis of Curriculum Materials”

Lorraine Baron “Developing and Assessing a Process that Addresses Professional Learning with Practicing Secondary Mathematics Teachers”

Patricia Byers “An Investigation of Trigonometric Representations as a Source of Student Difficulties”

Lionel LaCroix “Learning Mathematics for the Workplace: An Activity Theory Study of Pipe Trades Training”

Lisa Lunney Borden “Transforming Mathematics Education For Mi’kmaw Students Through Mawikinutimatimk”

Ruth Beatty “Pattern Rules, Patterns and Graphs: Analyzing Grade 6 Students’ Learning of Linear Functions through the Processes of Webbing, Situated Abstractions, and Convergent Conceptual Change”

5. Budget.

Expences:

Graduate students support	5,765.00
Chartwells (lunches & coffee breaks, dinner)	14,462.50
Bus excursion	2,960.55
Conference Supper (Kitchen party)	3,827.20
Miscellaneous supplies and assistance	1,524.38
Total	28,539.63

Income:

Registration fees	17,740
Memorial University	5,000
AARMS	4,000
Total	26,740

CMESG 2011 - CONFERENCE SCHEDULE

Friday June 10	Saturday June 11	Sunday June 12	Monday June 13	Tuesday June 14
	8:00 – 9:00 Registration Education Building			
	9:00 – 10:30 Working Groups	9:00 – 10:30 Working Groups	9:00 – 10:30 Working Groups	9:00 – 10:30 Gallery Walk
	10:30 – 11:00 Coffee Break	10:30 – 11:00 Coffee Break	10:30 – 11:00 Coffee Break	10:30 – 11:00 Coffee Break
	11:00 – 12:00 Working Groups	11:00 – 12:30 Working Groups	11:00 – 12:30 Working Groups	11:00 – 12:30 Closing Session
	12:00 – 1:00 Lunch			
	1:00 – 1:30 Plenary 1 – disc.	12:30 – 1:30 Lunch	12:30 – 1:30 Lunch	
	1:30 – 2:30 Plenary 1 Q&A	1:30 – 2:30 Plenary 2	1:30 – 2:00 Plenary 2 – disc.	
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	3:00 Excursion Buses leave residences	2:45 – 3:15 New PhDs (3)	2:15 – 3:15 Plenary 2 Q&A	
		3:15 – 3:45 Coffee Break	3:15- 3:45 Coffee Break	
		3:45 – 4:15 Ad Hoc	3:45- 4:45 Topic Sessions	
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		4:30 – 5:00 New PhDs (3)		
		5:00 – 5:30 Ad Hoc	5:00- 6:00 AGM	
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		6:00 Kitchen Party Buses leave residences for downtown	-	
			6:30- 8:30 Supper at dining hall	
2:00 – 5:00 Registration <i>Inco Innovation Centre</i>				
5:00 – 6:00 Opening Session <i>Inco Innovation Centre</i>				
6:00 – 7:00 Plenary 1 <i>Inco Innovation Centre</i>				
7:00 – 9:00 Reception <i>Inco Innovation Centre</i>				