Report on the
24th Canadian Conference on Computational Geometry
Charlottetown, August 7-10, 2012

Organizers: Greg Aloupis and David Bremner
http://2012.cccg.ca

Description of event

CCCG'2012 took place in Charlottetown, PEI. There were 75 papers reviewed, of which 52 were accepted. Each was allowed a 20-minute presentation. There were two sessions held in parallel. Furthermore, three one-hour invited talks were given. As every year, there was an Open Problem session, attended by all participants.

Participation

Participation was approximately equal to the average of the past ten years. Details are given in the table that follows. Eight participants came from the Atlantic Provinces (10%, up from 2.5% last year). Thirteen students registered but were eventually not able to attend.

Table 1: Registered Participants (not including those who attended only social events)

Country	Students & Postdocs	Faculty	Other	Total attended
Canada	25	14		39
USA	9	10	1	20
Belgium		1		1
Chile		2		2
China		1		1
Germany		2		2
Israel		1		1
Japan		3		3
Taiwan		1		1
Austria	2			2
France	1			1
India	3			3
Mexico	1			1
Portugal	1			1
Russia	1			1
Spain	1			1
Subtotal (non Canada/USA)	10	11		21
Total attended	44	35	1	80

Publications

Each submission was reviewed by three members of the PC. All presented papers appear in public electronic proceedings on the conference website. Printed proceedings were made available to all

participants, and further copies can be purchased from CCCG. Each paper was given a space of 6 pages, double-column format.

A special issue of the journal *Computational Geometry: Theory and Applications* will be devoted to a selection of papers from CCCG (expanded versions).

Scientific highlights
The three invited speakers and their lecture topics were:

- Günter Ziegler (Freie Universität Berlin) – Cannons at Sparrows

- Pankaj Agarwal (Duke University) – Algorithms for Geometric Similarity

- Joseph Mitchell (Stony Brook University) – Computational Geometry in Air Traffic Management

As every year, the Open Problem session proved to be particularly popular. The problems, and updates, are listed formally in the proceedings of the following year.

Income and Expenditure Account
The registration fee (without proceedings) was set at $150 for all participants. All students had this fee waived thanks to sponsorship from Mprime, AARMS, PIMS and Fields.

Table 2: Expenses

Source	Expense
Invited speakers	$4,830
Printing (including formatting)	$1180
Reception 1	$2,270
Reception 2	$5,300
Reception 3	$850
Coffee breaks	$3,770
Student support: registration, accommodation, transport	$9,000
Registration setup, desk, staff, website, organization, logo, etc	$930
Local transportation	$940
Seminar rooms	$300
Total	$29,370

Table 3: Income

Source	Income
Mprime	$5,000
AARMS	$5,000
PIMS	$3,000
Fields	$3,000
Student registration (reimbursed)	$6,600
Regular registration (including late fees and optional proceedings)	$6,770
Total	$29,370

Table 4: Mprime contribution

Student registration waivers	$4,295
Student transportation refund	$705
Total	$5,000

Table 5: AARMS contribution

Invited speakers	$3,470
Local transport	$600
Registration costs (set up, staff)	$635
Administration, website, logos	$295
Total	$5,000

Table 6: PIMS contribution

Invited speaker (air fare)	$870.00	USD $890.71 (electronic invoice)
Invited speaker (hotel)	$373.78	(paid by organizer)
Invited speaker (taxis and parking)	$80.00	(approximate)
Local transport (car rental)	$298.55	
Local transport (fuel)	$46.47	
Seminar rooms	$257.50	
Printing cost (Xerox)	$570.00	(approximate)
Printing cost (set up)	$503.70	(partial coverage)
Total	$3,000.00	

Table 7: Fields contribution

Student costs	$3,000