



The CENTRE for EDUCATION
in MATHEMATICS and COMPUTING

*2008
Canadian
Computing
Competition
Results*



This year marked the second year of the joint collaboration with Tsinghua University in Beijing to offer the contest to Beijing high school students. These competitors are not listed here (since we are listing only the Canadian Competitors). More information (including results) can be found at: <http://ccc.cs.tsinghua.edu.cn/>. It was also the fourth consecutive year of the successful collaboration with the University of Hong Kong to offer the contest to Hong Kong high school students. This year, the Hong Kong students wrote a different competition than the Canadian CCC: this contest was created collaboratively between HKU and UW. More information (including results) can be found at: <http://www.cs.hku.hk/ccc2008/>.

A detailed summary of problems (with solutions) will be posted on the CCC website by the end of mid-May 2008. Below, a qualitative summary of both the Junior and Senior contest is presented.

The Junior contest seemed to be a bit more difficult than in previous years, with very few students scoring above 65. The last two questions were quite difficult. There was a nice step from J1 to J2 to J3, but J4 and J5 were very difficult.

On the Senior problems, on the other hand, students did quite well. The averages were much higher than typical years for the first 3 questions but there was still nice gradation between the latter questions.

I hope you found the contest this year interesting and educational, fun and intriguing. Thanks for being a part of it.

Troy Vasiga
Director of the Canadian Computing Competition
April 2008

Junior Competitors

Students are listed in alphabetical order within each group.

Dans chaque group, les élèves sont nommés en ordre alphabetiques.

Name/Nom	School/École	Location/Endroit
Group 1: Scores from 61 to 75		
Gao Jack	Victoria Park S.S.	North York, ON
Leung Samuel	A.Y. Jackson S.S.	North York, ON
Pauls Leigh	Sir Winston Churchill S.S.	St. Catharines, ON
Qiao Aurick	Vincent Massey S.S.	Windsor, ON
Zhang Jun	Richview C.I.	Etobicoke, ON
Group 2: Scores from 56 to 60		
Alexandroff Rachael	St. Clement's School	Toronto, ON
Chibisov Valeriy	Earl Haig S.S.	North York, ON
Choi Kevin	Olympiads School	North York, ON
Hamilton Daniel	Bell H.S.	Nepean, ON
Huang Jackson	Agincourt C.I.	Toronto, ON
Jensen Brook	Thornhill S.S.	Thornhill, ON
Kleinman David	North Toronto C.I.	Toronto, ON
Lee Robert	Thornlea S.S.	Thornhill, ON
Qureshi Zain	Fletcher's Meadow S.S.	Brampton, ON
Sacawa Paul	John Fraser S.S.	Mississauga, ON
Silva Tim	Resurrection C.S.S.	Kitchener, ON
Sun Matthew	Woburn Collegiate Institute	Toronto, ON
Tripathi Jyoti	Middlefield C.I.	Markham, ON
Wei Frank	Dr. Norman Bethune C.I.	Scarborough, ON
Wong Jenny	Newmarket H.S.	Newmarket, ON
Xia Tian	The Woodlands S.	Mississauga, ON
Yang Yung Lin	Northern S.S.	Toronto, ON
Zhang Xi	Saint John H.S.	Saint John, NB
Group 3: Scores from 52 to 55		
Abdulla Tim	St. John's-Ravenscourt School	Winnipeg, MB
Ali Jubair	Guelph C. & V.I.	Guelph, ON
Bain Jeff	Monsignor J. Pereyma	Oshawa, ON
Chaarani Ramie	Guelph C. & V.I.	Guelph, ON
Duyck James	Vincent Massey S.S.	Windsor, ON
Huynh Frankie	Riverdale C.I.	Toronto, ON
Kalsi Gurjant	Agincourt C.I.	Toronto, ON
Kauling Dylan	Fr. Leo J. Austin C.S.S.	Whitby, ON
Kuhn Stephanie	E.S.C. Marie-Rivier	Kingston, ON
Liu Linda	A.Y. Jackson S.S.	North York, ON
Liu Victor	Olympiads School	North York, ON
Mitchell Jack	Markham D.H.S.	Markham, ON
Paskaris Patrick	Pickering H.S.	Ajax, ON
Rudderham Stuart	Dunbarton H.S.	Pickering, ON
Scully Connor	Port Perry H.S.	Port Perry, ON

Canadian Student Honour Roll**Palmarès des élèves à l'échelle nationale**

Name/Nom		School/École	Location/Endroit
Silva	Josemanuel	Riverdale C.I.	Toronto, ON
Wang	Jeff	A.Y. Jackson S.S.	North York, ON
Group 4: Scores from 49 to 51			
Abdool		Vincent Massey S.S.	Windsor, ON
Adams	Andrew	Riverdale C.I.	Toronto, ON
Al Dajane	Basil	Father Michael Goetz S.S.	Mississauga, ON
Benjamin	David	Western Tech. Comm. School	Toronto, ON
Boulianne	Gabriel	Cegep Sainte-Foy	Sainte-Foy, QC
Devries	Richard	Toronto Dist. Christian H.S.	Woodbridge, ON
Eisenstat	Sam	Academy For Gifted Children -	Richmond Hill, ON
Guan	Herui	Ursula Franklin Academy	Toronto, ON
Joyce	Maxwell	Bell H.S.	Nepean, ON
Kim	Daniel	Oakridge S.S.	London, ON
Klen	Alex	The Woodlands S.	Mississauga, ON
Kuo	Ryan	The Woodlands S.	Mississauga, ON
Kwong	Keiming	Markham D.H.S.	Markham, ON
Maiolo	Michael	St. Paul H.S.	Niagara Falls, ON
Misiewicz	Daniel	Pickering H.S.	Ajax, ON
Moakler	Alex	Mayfield S.S.	Brampton, ON
Normand	Gabriel	Brampton Centennial S.S.	Brampton, ON
Qiu	Bryan	Olympiads School	North York, ON
Shi	Angela	Vincent Massey S.S.	Windsor, ON
Simmonds	Benjamin	The Country Day School	King City, ON
Walton	Brandon	O'Neill C.V.I.	Oshawa, ON
Wu	Sandy	Sir Robert Borden H.S.	Nepean, ON

Senior Competitors

Students are listed in alphabetical order within each group.

Dans chaque group, les élèves sont nommés en ordre alphabétiques.

Name/Nom	School/École	Location/Endroit
Invitees to Stage 2 of the 2008 Canadian Computing Competition		
Anderson	Matthew	Frontenac S.S.
Ban	Frank	Vincent Massey S.S.
Bi	Brian	Woburn Collegiate Institute
Cheng	Robin	Pinetree S.S.
Guruganesh	Guru	Woburn Collegiate Institute
Harrison-Trainor	Matthew	Marc Garneau C.I.
Ing	Colman	Woburn Collegiate Institute
Lam	Daniel	Univ. Of Toronto Schools
Liang	Sheng	Marianopolis College
Liu	Zhiqiang	Don Mills C.I.
Ng	Keith	St. Francis Xavier Secondary
Plachta	Jacob	Woburn Collegiate Institute
Saunders	William	Waterloo C.I.
Schneider	Jonathan	Univ. Of Toronto Schools
Szymanski	Tom	Vincent Massey S.S.
Teng	David	Woburn Collegiate Institute
Tsai	George	St. George's School
Voelker	Aaron	Bell H.S.
Wang	Hanson	Woburn Collegiate Institute
Wen	Weinan Ptr	Vincent Massey S.S.
Wu	Steven	Westmount S.S.
Yao	Vick	Vincent Massey S.S.
Zhou	Qikuan	Victoria Park S.S.
Honourable Mention		
Ben David	Shalev	Waterloo C.I.
Chartier	Mathieu	Univ. Of Winnipeg C.
Derek	Ma	Agincourt C.I.
Dumitrescu	Eduard	College Notre-Dame
Ebtekar	Aram	Port Moody S.S.S.
Fung	Felix	Victoria Park S.S.
Galperin	Daniel	Waterloo C.I.
Lai	Matthew	Steveston S.S.
Li	Ke	The Woodlands S.
Lou	David	Victoria Park S.S.
Majdzadeh	Ali	Port Moody S.S.S.
Makarov	Serguei	The Abelard School
Seo	Calvin	St. Andrew's College
Shi	Da	Albert Campbell C.I.
Steel	George	Aurora High School
Van Spronsen	Loren	Credo Christian H.S.
Xiao	Jerry	Dr. Norman Bethune C.I.

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Name/Nom		School/École	Location/Endroit
Xu	Peter	Marc Garneau C.I.	Don Mills, ON
Zghal	Omar	Vincent Massey S.S.	Windsor, ON
Zhang	Ke	Sir John A. Macdonald C.I.	Agincourt, ON
Zhao	Andy	Vincent Massey S.S.	Windsor, ON
Group 3: Scores from 48 to 53			
Alman	Josh	Univ. Of Toronto Schools	Toronto, ON
Berzish	Murphy	St. John's-Ravenscourt School	Winnipeg, MB
Cao	Ruiming	Sir John A. Macdonald C.I.	Agincourt, ON
Chang	Michael	Thornlea S.S.	Thornhill, ON
Chittle	Joshua	Vincent Massey S.S.	Windsor, ON
Du	Chenfei	William Lyon Mackenzie C.I.	Toronto, ON
Fu	Helen	Victoria Park S.S.	North York, ON
Huang	Conan	Woburn Collegiate Institute	Toronto, ON
Jayakumar	Amlesh	Waterloo C.I.	Waterloo, ON
Kim	James	Unionville H.S.	Unionville, ON
Koff	Jonathan	Northern S.S.	Toronto, ON
Lai	Jason	Thornhill S.S.	Thornhill, ON
Lam	Raymond	William Lyon Mackenzie C.I.	Toronto, ON
Lee	Maverick	Richmond Hill H.S.	Richmond Hill, ON
Li	Ningcheng	Dr. Norman Bethune C.I.	Scarborough, ON
Li	Tong Shu	Woburn Collegiate Institute	Toronto, ON
Livschitz	Mark	Univ. Of Toronto Schools	Toronto, ON
Punjani	Ali	Marc Garneau C.I.	Don Mills, ON
Son	Alexn	Thornhill S.S.	Thornhill, ON
Toarca	Sergiu	R.H. King Academy	Scarborough, ON
Turner	Ryan	Western Canada H.S.	Calgary, AB
Wen	Si	A.Y. Jackson S.S.	North York, ON
Wu	Christopher	Richmond Hill H.S.	Richmond Hill, ON
Zahos	Zach	Earl Haig S.S.	North York, ON
Zelebaba	Dusan	Vincent Massey S.S.	Windsor, ON
Zhang	Ben Yuan	Albert Campbell C.I.	Scarborough, ON
Group 4: Scores from 44 to 47			
Fang	Kevin	Victoria Park S.S.	North York, ON
Feng	Victor	Sir Winston Churchill H.S.	Calgary, AB
Gagnon	Daniel	Champlain Regional College	St. Lambert, QC
Guo	Chuan	St. Pius X H.S.	Ottawa, ON
Hirani	Aly	Forest Heights C.I.	Kitchener, ON
Hu	David	Western Tech. Comm. School	Toronto, ON
Iouchtchenko	Dmitri	Don Mills C.I.	Don Mills, ON
Khan	Samir	Vincent Massey S.S.	Windsor, ON
Komer	Brent	St. Thomas Aquinas S.S.	London, ON
Liu	Chang	Sir John A. Macdonald C.I.	Agincourt, ON
Lu	Kevan	Richmond Hill H.S.	Richmond Hill, ON
Main	Cameron	Centennial C. & V.I.	Guelph, ON
Ren	Tony	A.Y. Jackson S.S.	North York, ON
Roman	Jeremy	Sir John A. Macdonald S.S.	Waterloo, ON
Shihipar	Thariq	Pine Ridge S.S.	Pickering, ON
Song	William	Steveston S.S.	Richmond, BC

Canadian Student Honour Roll**Palmarès des élèves à l'échelle nationale**

Name/Nom		School/École	Location/Endroit
Wilde	Graeme	Port Perry H.S.	Port Perry, ON
Williams King	David	Homeschool	Calgary, AB
Wong	Gabriel	St. George's School	Vancouver, BC
Zhang	Edward	Lisgar C.I.	Ottawa, ON

Problem Averages**Moyenne par problèmes**

Problem	All Contestants	Non-Zero Scores	Problem	All Contestants	Non-Zero Scores
Junior 1	13.29	14.08	Senior 1	10.86	13.78
Junior 2	9.96	13.01	Senior 2	6.82	9.43
Junior 3	5.16	13.18	Senior 3	2.83	8.53
Junior 4	0.88	4.76	Senior 4	1.54	8.68
Junior 5	0.27	4.76	Senior 5	0.76	10.66

The averages denoted as “All Contestants” in the above table indicate all students in the division.

The averages denoted as “Non-Zero” scores in the above table include only students in the division who received a non-zero score on the problem.

There were 736 Senior contestants and 888 Junior contestants.

Student Rankings**Classement des élèves**

<i>Junior Competitors</i>						<i>Senior Competitors</i>					
Score/ Note	Rank/ Position	Score/ Note	Rank/ Position	Score/ Note	Rank/ Position	Score/ Note	Rank/ Position	Score/ Note	Rank/ Position	Score/ Note	Rank/ Position
75	1	44	218	26	559	75	1	46	72	27	265
72	2	43	224	25	562	72	8	45	74	26	277
70	3	42	234	24	574	71	13	44	89	25	284
63	4	41	255	23	606	69	14	43	91	24	295
60	6	40	260	22	608	68	22	42	92	23	313
57	13	39	265	21	610	66	23	40	106	22	325
56	22	38	287	20	628	63	24	39	110	21	331
55	24	37	288	19	643	62	26	38	136	20	344
54	26	36	290	18	649	60	27	37	138	19	357
53	33	35	308	17	668	58	34	36	140	18	366
52	38	34	318	16	675	57	35	35	161	17	429
51	41	33	322	15	681	54	36	34	163	16	477
50	51	32	346	14	803	52	45	33	164	15	485
49	57	31	350	13	808	51	46	32	181	14	558
48	63	30	356	10	812	50	56	31	185	13	559
47	96	29	513			49	57	30	190	12	568
46	111	28	525			48	58	29	253	11	572

2008 Canadian Computing Competition Committee

Rich Clausi Elmira District Secondary School Elmira, Ontario	Prof. Tony Cox School of Computer Science Dalhousie University, Halifax, NS	Prof. Ondřej Lhoták School of Computer Science University of Waterloo
Donny Cheung Graduate Student University of Waterloo	Sandy Graham Office of the Dean – Math University of Waterloo	Prof. Ian Munro School of Computer Science University of Waterloo
Gordon Chiu Altera Corporation Toronto, ON	Graeme Kemkes Graduate Student University of Waterloo	Ron Ouwerkerk St. George’s School Vancouver, BC
Prof. Gord Cormack School of Computer Science University of Waterloo	Prof. Vlado Keselj School of Computer Science Dalhousie University, Halifax, NS	David Pritchard Graduate Student University of Waterloo
	Troy Vasiga (Director) Cheriton School of Computer Science University of Waterloo	