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Welcome to Alberta

The Department of Computing Science at the University of Alberta, Edmonton, Alberta...

is honored to be the host for the ACM-ICPC World Finals. We are delighted to have you join us in beautiful Banff, Alberta. Congratulations to the competitors for earning the right to be here; this privilege only comes from years of hard work and a commitment to excel.

Computing Science is a field full of possibilities, and this championship contest is an opportunity for you to show off the breadth and depth of your knowledge. What makes it especially interesting to me is the team aspect, which reflects the reality of how large software projects are designed and built today. The days of the lone programmer working away in isolation are a thing of the past. Computing today is all about teams of people, often multidisciplinary in their composition.

Located in Edmonton, the University of Alberta's Department of Computing Science encourages creativity and teamwork in all tasks. Whether it be in class, doing assignments, solving research problems, or at play, we recognize the synergy and intellectual stimulus of community interactions. Our department has a great reputation for its collegial atmosphere, approachable professors, and its great research environment.



Athabasca Hall home of the Department of Computing Science at the University of Alberta

While you are here for the competition, don't neglect an important perk of your trip. Enjoy the stunning beauty of Banff, the Canadian Rocky Mountains, and all that Alberta has to offer. Don't miss out on the Icefields Parkway ("the most scenic drive in the world") and picturesque Jasper. From Jasper, continue on to Edmonton. Please drop in and visit our Department. Please contact us at rsvp@cs.ualberta.ca and let us know you are coming.

Congratulations again on earning a berth in the World Finals. I wish you the best for the competition and your future careers.

Chair, Department of Computing Science
University of Alberta

The University of Alberta wishes to thank AET (Alberta Advanced Education and Technology) and iCORE for their World Finals Host Support.



Greetings from
ICPC



welcome to Canada!

Welcome to the 32nd Annual ACM International Collegiate Programming Contest World Finals sponsored by IBM and hosted The University of Alberta. We have partnered with the UPE Honor Society and ACM to provide you with the finest possible setting here at the Fairmont Banff Springs Hotel.

The ACM-ICPC World Finals culminates the efforts of faculty and students from 1,821 universities in 83 countries that placed 6,700 teams at 213 regional sites worldwide. The top 100 teams have advanced to the World Finals. Congratulations to all of you World Finals teams and to those who have made this possible.

These champions have earned the right to compete for further recognition as they seek medals and the elusive title of the “2008 World Champions.” These World Finalists are here because they have “raced so as to win the prize.”

They have developed extraordinary teamwork, skill, and problem-solving abilities through their determination and special opportunities provided by their coaches, faculty mentors, universities, regional contest hosts, and industry. Leaders of these communities here at the World Finals and around the globe are wishing them all continued success.

There are so many stars in the ICPC Community. UPE has served for 38 years, ACM has served for 32 years, and Baylor University has served for 25 years. In 11 years of IBM sponsorship, the ICPC expanded to universities in 83 countries on six continents posting 900% growth! As part of her Centenary Celebration, the University of Alberta has brought us to the Canadian Rockies, in beautiful Alberta, for the opportunity of a lifetime.

Here, among beautiful mountains, spacious skies, and heavenly lights, the brightest stars in the ICPC Universe are you, the 2008 World Finalists!

So, on behalf of the ICPC Community, Welcome to Banff!

William B. Poucher

William B. Poucher, Ph.D., ACM Fellow
ICPC Executive Director

The ACM-ICPC Programming Contest
Baylor University, One Bear Place #219659
Waco, TX 76798-7659 USA

Web: <http://icpc.baylor.edu>
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Did you know?

The Computer Poker Research Group at the University of Alberta played world-class poker in the first Man-Machine Poker Challenge.

Banff, Alberta, Canada | April 6-10, 2008

Greetings from
IBM



Doug Heintzman
Director of Strategy
Lotus Software
IBM Software Group

Congratulations on qualifying for the 32nd annual ACM International Collegiate Programming Contest World Finals, the oldest, largest, and most prestigious competition in computing science and engineering among the world’s great universities! As sponsoring executive, I am delighted to welcome you, on behalf of IBM, to Banff, Alberta, Canada, world-renowned for its scenic beauty. We hope you will have some time to explore the local sites and experience this aspect of Canadian culture.

All of you have been working hard to prepare for this year’s Finals. The IBM team has also been hard at work enthusiastically planning for these next few days. We are very excited to be sharing this time with you. The ACM-ICPC World Finals is a gathering of the world’s brightest young programmers, and you should be very proud to be in this group. We look forward to meeting each and every one of you at the many activities planned this week. Of course the highlight for me, and for all my IBM colleagues, will be watching you compete on the international stage on Wednesday.

IBM and ACM volunteers have been busy preparing an exciting agenda for you and your teammates to enjoy during the days we are together. We hope you take full advantage of being here to meet your fellow coaches and contestants from all over the world. Many long-lasting friendships have begun at the World Finals.

Some highlights of activities this week include:

- IBM Welcome Reception (Sunday evening) -- After you register and get your badge, come and join us for some food and mingling.
- IBM CyberCafe (Sunday through Tuesday evenings) – This is the place to be each evening to check your email, play games, enjoy snacks, and hang out with new friends. The CyberCafe technology showcase gives you a look at leading edge, emerging technologies from IBM, and a chance to speak with IBMers from research, software development, university relations, as well as recruiting. Also included will be some especially interesting demonstrations assembled by our host, the University of Alberta.
- IBM Tech Trek (Monday) – Explorations into new technologies, presented by IBM experts.
- Celebration! (Wednesday) – I don’t want to spoil the surprise of the post-contest celebration event, hosted by IBM. I’ll just say that you WILL want to be there!

The World Finals are here at last. Be proud of what you have accomplished so far and take from this experience memories that remain with you forever. Most of all, enjoy yourself during this exciting and momentous week.

Best of luck!

Doug Heintzman



Greetings from
University of Alberta



Indira V. Samarasekera, O.C.
President and Vice-Chancellor
University of Alberta



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Message from the President and Vice-Chancellor

On behalf of the University of Alberta, I am delighted to welcome you all to the “Battle of the Brains”, the 32nd Annual World Finals of the ACM (Association for Computing Machinery) International Collegiate Programming Contest in Banff, Alberta! The University of Alberta and its Computing Science Department are very proud to host this year’s contest, as a part of our Centenary 2008 celebrations.

I wish to convey my sincere congratulations to all one hundred teams for advancing to the World Finals! Each of you place among the top 1% of the world’s finest university students and faculty coaches in the computing sciences and engineering. It takes a great amount of creativity, innovation and teamwork to succeed in an international competition at this level, and wish you all the utmost success in reaching your full potential.

As the University of Alberta celebrates our 100th anniversary, we are drawn to reflect upon our historic past. The Computing Science Department was formed in 1964, and has since transformed from a small, unknown department to one of the largest and the best computing science departments in Canada with an international reputation for excellence. The University of Alberta’s tradition of computing science excellence is continually growing due to the outstanding leadership and tireless efforts of students, staff and faculty.

Because of these talented people, and others across the globe such as all you here today, computing technology changed dramatically and beyond recognition over the years. Your collective and creative forces enrich discovery and innovation, contributing to the latest developments in technology for the benefit of humanity and our global communities.

Please accept my sincere thanks for coming to this year’s competition and sharing in this celebration of the University of Alberta’s 100th year anniversary. I also thank IBM, ACM, and the UPE Honor Society for their great support of our brilliant students and this prestigious competition. Their partnerships help to drive your passion and intrigue for computing, and inspire discovery and learning for all. Best wishes to each of the 100 teams for an exciting competition and I hope you all enjoy your visit and the beauty of Banff, Alberta!

Yours sincerely,

Indira

Indira V. Samarasekera, O.C.
President and Vice-Chancellor

Did you know?

Edmonton is named the “Festival City” because it hosts more than 25 different festivals annually.

Greetings from
Upsilon Pi Epsilon

UPSILON PI EPSILON

Honor Society for the Computing & Information Disciplines

On behalf of Upsilon Pi Epsilon (UPE), I welcome and congratulate you, who represent the 100 teams and their professors who are participants in the 2008 ICPC World Finals here in Banff, Canada. Your participation in the “Olympics of Computing” is a real testament to your dedication to the art of programming and your high standing in the world of the computing and information disciplines. We are all amazed by your talents and capabilities. To get here, you had to go through a very competitive sequence of contests in the countries and regions you represent.

Most of you traveled thousands of kilometers from various corners of the Globe in order to be here in Banff. Each team has one single goal - to win the 2008 World ICPC Finals. Regardless of where you stand at the conclusion of the 2008 ICPC, your presence here alone already signifies your standing as a champion and we in UPE congratulate all of you as champions of the computing world.

We always remain very thankful to IBM and its staff for their continuing support of this event. In addition, we wish to thank the University of Alberta for serving as host of the 2008 ICPC and UPE wishes to give special thanks to the students, staff, and faculty the University of Alberta’s Computer Science Department for their willingness to take care of all of our contest needs. The ICPC is run by volunteers and we will always be grateful to those who are willing to be of service to this great event.

Best wishes to all of you.

Orlando S. Madrigal, Ph.D., Professor Emeritus

Department of Computer Science

California State University, Chico

upe@acm.org

Executive Director

UPSILON PI EPSILON

Honor Society for the Computing & Information Disciplines

www.acm.org/upe/



Orlando Madrigal
Executive Director
Upsilon Pi Epsilon

UPE has chapters in more than 230 colleges and universities in U.S. and overseas; is recognized by both the ACM and the IEEE-CS; and is a member of the ACHS (Association of College Honor Societies) and IFEEES (International Federation of Engineering Education Societies).



Greetings from
ACM

Welcome to the Finals of the 32nd Annual ACM International Collegiate Programming Contest.

ACM is extremely proud to present this contest. As President, I am delighted with its past successes. I attended the Tokyo Finals and they were both fun and inspiring. I look forward to attending the contest in Banff, feeling the energy of the event, and to meeting you, the outstanding participants.

The ICPC is a remarkable phenomenon. This year, an amazing 6,700 teams representing 1,821 universities worldwide competed at regional sites. All are to be congratulated for the talent they demonstrated. The members of the 100 teams that made it to the last stage, the Finals, are the best of the best.

Congratulations to all of you who have reached this point. You are already winners and probably the finest programmers in college today.

Special thanks are due to Bill Poucher for guiding and driving the contest all these years, making it one of the most exciting and challenging computing activities on the planet. We thank the hundreds of volunteers who keep the regional and worldwide events humming. We are grateful to Baylor University for its continuing strong support of Bill and the ICPC. ACM thanks IBM for ongoing support as the long-term sponsor of the contest.

See you in Canada, and best of luck to all!



Stuart Feldman
Stuart Feldman
President, ACM



Did you know?

Edmonton has a number of popular professional sports teams including the Edmonton Oilers NHL hockey team and the Edmonton Eskimos NFL Football team.

Greetings from
the World Finals Director

To all the teams, honoured guests, staff, and volunteers, welcome to the 32nd Annual ACM International Collegiate Programming Contest (ICPC) World Finals, sponsored by IBM!



Paul Lu
Associate Professor
Department of
Computing Science
University of Alberta

On behalf of the University of Alberta, we are delighted that you could join us in scenic Banff and the Canadian Rocky Mountains. We are honoured to be the official host. In 2008, the University of Alberta, in the beautiful city of Edmonton, is also celebrating its 100th anniversary. Our University’s principles of scholarship, leadership, and the pursuit of “whatsoever things are true” are mutually echoed in the hard work of all the team members, coaches, and supporters at the World Finals.

Congratulations on your achievement!

I want to personally thank the ICPC teams at Baylor University, IBM, the Banff Springs Hotel, and other groups for their key contributions towards making the World Finals possible. Finally, I want to thank the University of Alberta staff and volunteers who have put in hundreds of hours of work to make the ICPC a success.

We hope you will leave the event with many fond memories and great stories to tell your friends and families.

Congratulations, and best wishes in the competition,

Paul Lu
World Finals Director

Greetings from
from Government

110 Bear Street
Box 1260 Banff, Alberta Canada T1L 1A1
T 403.762.1207 F 403.762.1260
OFFICE OF THE MAYOR




Welcome to Banff!

On behalf of Council and the Town of Banff, it is with great pleasure to welcome the participants of the ACM - International Collegiate Programming Contest World Finals to our beautiful town. Events such as this play a very important role in our community and we are delighted that you have chosen Banff as the destination to host the finals.

An outstanding setting is only a part of what Banff has to offer visitors. It has a rich history, character and quality of life found nowhere else in the country. From outdoors to opera, there truly is something for everyone. And to top it off, Banff still has the relaxed friendliness distinctive to small towns. I hope that during your time here you will take some time to experience some of the features that make Banff such a special place!

Best wishes for a successful event and an enjoyable stay in our town.

Yours truly,

John Stutz
Mayor



Did you know?

The University of Alberta is located in Alberta's capital city, Edmonton.

Greetings from
from Government




Office of the Lieutenant Governor of Alberta
3 Floor, Legislature Building
10800 - 97 Avenue
Edmonton, Alberta, Canada T5K 2B6



As the Queen's Representative in Alberta, it is my great pleasure to welcome everyone to the 32nd Annual ACM International Collegiate Programming Finals being hosted in breathtaking Banff. Understandably, the University of Alberta is very proud to have been chosen to be the academic host of this prestigious event which has attracted some of the world's finest students and faculty in the computing disciplines. This exciting competition will challenge your ability to be creative, innovative and work as a team under strict time restraints. It is a celebration of your ability to transfer technical information and ideas into practice with the hope of advancing and improving the future.

Special thanks to the volunteers, support staff and judges who have dedicated themselves to making this event possible. In addition, I would like to thank the public for their encouragement and support of the competitors.

Please take some time to sample the warm western hospitality that Alberta is known for. I hope that you return to your homes with many good memories of your time in our province and a strong desire to return to sometime soon. My very best wishes to you all.


Norman L. Kwong, CM AOE
Lieutenant Governor of Alberta

Greetings from
from Government



Hon. Jim Prentice,
P.C., Q.C., M.P.
Minister of Industry and
Regional Minister for Alberta



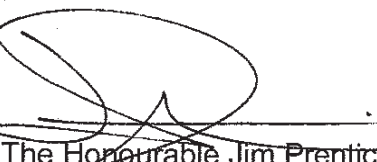
To all participants,

As Canada's Minister of Industry and Regional Minister for Alberta, I would like to extend congratulations and warm greetings to all of you who have advanced to the ACM International Collegiate Programming Contest World Finals.

This event brings together many of the best and brightest students in computer science, with teams participating from 100 universities around the globe. It is truly an honour for Alberta, through the work of the University of Alberta, to be hosting such a cutting edge international competition.

Good luck to all participants and my sincere thanks to all of the hardworking volunteers and organizers who have helped ensure the success of this event for all involved.

Sincerely,



The Honourable Jim Prentice, P.C., Q.C., M.P.
Minister of Industry and Regional Minister for Alberta



Did you know?

The University of Alberta is celebrating its 100th anniversary this year. When founded in 1908, there were 45 students enrolled.

Awards
Coaches Award



The Thirty-second Annual **acm** International Collegiate
Programming Contest
sponsored by **IBM**

Coaches Award

Presented to

Songshan Guo,
Zhongshan (Sun Yat-sen) University

Vladimir Kotov,
Belarusian State University

Andrey Stankevich,
St. Petersburg University of IT, Mechanics and Optics

Andrey Lopatin,
St. Petersburg State University

Dieter van Melkebeek,
University of Wisconsin - Madison

In Recognition of your
Commitment and Support
to the ACM-ICPC as an
Outstanding Coach

**9 April 2008
Banff, Alberta**

Awards
The Mark Measures Award



The Thirty-second Annual **acm** International Collegiate
Programming Contest
sponsored by **IBM**

**The Mark Measures
Distinguished Service Award**

Presented to
Ali Orooji
University of Central Florida

for outstanding service and unflagging devotion
to his many World Finals teams since 1989 and
to the universities of the World for his service as
World Finals Director for four years and
Director of North American Contests since 1998.

The Mark Measures Distinguished Service Award is
presented annually to a volunteer who has played an
instrumental role in the success of the ICPC
for fifteen or more years.

**9 April 2008
Banff, Alberta**

Awards
The DeBlais Awards



The Thirty-second Annual **acm** International Collegiate
Programming Contest
sponsored by **IBM**

**The Joseph S. DeBlasi
Outstanding Contribution Award**

Presented to
Digital Media Team

Hans Domjan
Michael Korpi - Joel Korpi
David Hill - Lisa Donahoo

for outstanding service and accomplishment
in telling the story of the ACM-ICPC World Finals
through video and still photography
since 1996

The Joseph S. DeBlasi Award is presented annually
to a person or group who have played an instrumental
role in the success of the ICPC for five or more years.

**9 April 2008
Banff, Alberta**

Did you know?

The University of Alberta has an International Student Centre to help international students ease into Canadian society.

Awards

ICPC Host Awards

The Thirty-second Annual **acm** International Collegiate
Programming Contest
sponsored by **IBM**

**The ICPC Distinguished
International Service Award**

Presented to

The University of Alberta

for 100 years of service to and steadfast devotion to the
highest principles of academe, for extraordinary accomplishment
of her teams of the past 30 years, culminating as

**University Host
of the
The 2008 World Finals
of the
ACM International
Collegiate Programming Contest**

—

The ICPC Distinguished University International Service Award
is presented annually to an institution that has played
an instrumental role in the success of international
educational programs for ten or more years.

—

**9 April 2008
Banff, Alberta**

The Thirty-second Annual **acm** International Collegiate
Programming Contest
sponsored by **IBM**

**The ICPC Distinguished
International Service Award**

Presented to

**The Department of Computer Science
The University of Alberta**

in honor of the university's Centenary Celebration,
for extraordinary accomplishment of her teams in competition with
the ICPC Community of 1,521 universities, culminating as

**University Host
of the
The 2008 World Finals
of the
ACM International
Collegiate Programming Contest**

—

The ICPC Distinguished University International Service Award
is presented annually to an institution that has played
an instrumental role in the success of international
educational programs for ten or more years.

—

**9 April 2008
Banff, Alberta**

Did you know?

The University of Alberta is ranked among the top 100 public research-intensive universities in the world.

Sponsored by IBM

Hosted by The University of Alberta

CyberCafé

Come to see cool technology demonstrations, and talk to the people from IBM Research and from the University of Alberta, who have helped create these amazing innovations. For example, Bluegrass is an IBM research project exploring the integration of virtual worlds in application contexts like Rational Jazz and Lotus Notes. Play checkers against the world famous Chinook program or try your luck against the world class poker programs developed at the U of A. There will also be a number of computers available for your use, as well as space for you to connect your own laptop.

On Monday morning, IBM presents hot topics like Web 2.0 applications, social networking trends and implications, and more from the cutting edge of innovation. This is an opportunity to hear from the experts and ask questions.



Activities



UPE Reception and Business Meeting

Come and meet the individuals who make UPE tick. Volunteers, teams, and guests of the ACM-ICPC World Finals will have a chance to interact, and each team in attendance will be presented with \$300. Those teams representing institutions with UPE Chapters will receive an additional \$450.

The World Finals

The ACM Programming Contest World Finals will pit teams from six different continents against each other in once-in-a-lifetime event. Guided by knowledge, intuition, skill, and some luck, these teams will compete to be the next World Champion. Come watch the challenge unfold!

The World Finals Celebration Sponsored by IBM

Following the ICPC Awards ceremony, this is one event you don't want to miss. Where is it, and what is it? It's a surprise, but you are sure to have a great time!

Schedule
of Events

Sunday, April 6 - Welcome - Banff Springs Hotel

Time	Event	Location	Attendees
7:30 AM - 8:30 AM	RCDS/CLI Registration & Breakfast <small>Courtesy of U of A</small>	Cascade	RCDS/CLS attendees
8:00 AM - Noon	RCD/CLI Symposium I	Cascade, NR Crump, President's Hall, Theatre	RCDS/CLS
Noon -1:30 PM	Volunteer Appreciation Luncheon	Alhambra	Invitation
1:45 PM - 5:00 PM	RCD/CLI Symposium II	President's Hall, NR Crump, Theatre	RDCS/CLS attendees
5:00PM - 9:30 PM	Team Registration	Mt Stephen Hall	Teams++
6:00 PM - 9:00PM	IBM Welcomes the Attendees <small>(come and go)</small> Food available from 6-8:30PM	Alberta/New Brunswick/ Cascade/River View Lounge	All attendees
8:00 PM -11:30 PM	CyberCafé - come and go	Presidents Hall	All with badges

Monday, April 7 - IBM Tech Trek - RCDS, CLS, Excursions

Time	Event	Location	Attendees
6:30 AM - 8:30 AM	Breakfast <small>Courtesy of U of A</small>	Cascade River View Lounge	Teams++ with badges
6:30 AM - 8:00 AM	RCD/CLI/Staff Breakfast <small>Courtesy of U of A</small>	Alhambra	RCD/CLI/Staff
8:00 AM - 9:00 AM	Regional Contest Directors' Business Meeting	DC Coleman, Sir Edward Beatty	RCD attendees
8:00 AM - 10:30 AM	RCD/CLISymposia III	President's Hall NR Crump, Theatre	RCD/CLI attendees
9:00 AM - 11:30 AM	IBM TechTrek Program	Alberta/New Brunswick	Teams++ with badges
11:30 AM - 5:30 PM	Excursion w/lunch <small>Courtesy of IBM</small>	TBA	All with badges
6:00 PM - 8:00PM	Dinner <small>Courtesy of IBM</small>	Alberta/New Brunswick/ Cascade	All with badges
8:00 PM - 11:30 PM	CyberCafé- come and go	Presidents Hall	All with badges

Tuesday, April 8 - Opening Session, Practice, Host Events

Time	Event	Location	Attendees
6:30 AM - 8:30 AM	Breakfast <small>Courtesy of U of A</small>	Alberta,New Brunswick, Cascade, River View Lounge,	all with badges
9:00 AM - 10:30 AM	Opening Ceremony <small>No one may enter once program has begun</small> Spectators are pre-seated Coaches & teams to workstations - teams are to wear their ICPC shirts	Van Horne Ballroom	All attendees limited public seating available
10:30 AM - Noon	Practice Session I <small>Photo at workstations. teams & onsite coach required</small>	Van Horne Ballroom	All w ith badges Team
Noon - 1:00 PM	Host Luncheon <small>Courtesy of the U of A</small>	Presidents Hall Van Horne Foyer	All with badges
1:00 PM- 1:30 AM	Answers to Practice Session I	Van Horne Ballroom	All with badges
1:30 PM - 2:30 PM	Practice Session II <small>Teams leave notebooks/supplies for Finals</small>	Van Horne Ballroom	All with badges
2:30 PM - 5:30 PM	Activities	Presidents' Hall Foyer	All with badges
6:00 PM - 8:00PM	UPE Dinner <small>Courtesy of IBM</small>	Alberta/New Brunswick/ Cascade/River View Lounge	All with badges
8:00 PM-11:30 PM	CyberCafé - come and go	Presidents Hall	All with badges

Wednesday, April 9 - World Finals, Awards, Celebration

Time	Event	Location	Attendees
6:30 AM - 7:45 AM	Breakfast <small>Courtesy of U of A</small>	Alberta/New Brunswick/ Cascade/River View Lounge	All with badges
7:45 AM - 8:00 AM	Prepare to enter the contest area Spectators enter the area first to view contestants	Van Horne Ballroom	Teams & Spectatorrs
8:00 AM - 1:30 PM	ACM-ICPC World Finals <small>Teams MUST wear ICPC Shirts. Notebooks are at stations</small>	Van Horne Ballroom	All with badges
8:00 AM - 4:00 PM	CyberCafé - watch the World Finals	Presidents Hall	All with badges
9:00 AM - 11:00AM	Banff Community High School program	Theatre	Banff HS Students
10:00 AM - 10:45 AM	Coaches meet with the Executive Director	Alhambra	Coaches++
11:00 AM - Noon	Coaches Appreciation reception <small>Courtesy of the U of A</small>	Presidents Lobby	Coaches++
2:00 PM - 2:30 PM	Coaches Briefing	Theatre	On-site coaches
5:30 PM - 6:30 PM	ACM-ICPC World Finals Awards Ceremony	Van Horne Ballroom	All with badges Limited public seating
7:00 PM-11:00 PM	World Finals Celebration <small>Hosted by IBM</small>	Surprise!	All with badge

Did you know?

The Department of Computing Science at the University of Alberta began in 1964, but computing was a focus at the university beginning in 1957.



About the
World Finals

For well-versed science students, some problems require precision only. Others require a knowledge and understanding of advanced algorithms. Still others are simply too hard to solve -- except, of course, for the world's brightest problem solvers.

The ACM-International Collegiate Programming Contest fosters creativity, teamwork and innovation in building new software programs, and enables students to test their ability to perform under pressure. Quite simply it is the oldest, largest and most prestigious programming contest in the world.

The contest pits teams of three university students against eight or more complex, real-world problems, with a five-hour deadline. Huddled around a single computer, competitors race against the clock in a grueling battle of logic, strategy and mental endurance.

Teammates collaborate to rank the difficulty of the problems, deduce the requirements, design test beds, and build software systems that solve the problems under the intense scrutiny of expert judges.

The ICPC traces its roots to a competition held in Texas A&M University in 1970 hosted by the Alpha Chapter of the UPE Computer Science Honor Society. The idea quickly gained popularity within the United States and Canada as an innovative initiative to assist the development of top students in the emerging field of computing science. The contest evolved into a multi-tier competition with the first Finals held at the ACM Computer Science Conference in 1977. Headquartered at Baylor University since 1989, the contest has expanded into a global network of

universities hosting regional competitions that advance teams to the ACM-ICPC World Finals.

Since IBM became a sponsor in 1997, the contest has increased by a factor of seven. Participation has grown to involve several tens of thousands of the finest students and faculty in computing disciplines at 1821 universities in 83 countries that competed at 213 sites for a spots in the World Finals.

Universities choose teams or hold local contests to select one or more teams to represent them at the next level of competition. Selections take place from a field of more than 300, 000 students in computing disciplines worldwide.

Regional contests are held from September to December. Once again this year, the contest grew with 213 sites hosting competitions. We had 6,700 teams vie to be part of the now 100 teams competing to be World Finals Champions.

This year the University of Alberta is hosting the World Finals in beautiful Banff, Alberta. The University, located in Alberta's capital city, Edmonton, is excited to be able to host so many bright students in a place as wonderful as the Fairmont Banff Springs Hotel. 2008 is a year full of milestones for the University, not only is it hosting this prestigious event, but it is also their 100th anniversary. In honour of the anniversary, ICPC decided to increase the number of teams from the originally scheduled 95 teams to 100 teams. Both the U of A and ICPC are excited about this growth and the opportunities it presents to so many deserving student teams.

ACM International Collegiate
Programming Contest
Team Participation Since 1989

Year	Teams	Universities	Sites	Teams	Sponsor
1989	400*	308*	12	25	SigBoard, Apple
1990	459	354	12	24	AT&T
1991	500*	386*	12	25	AT&T
1992	600*	400*	13	30	AT&T
1993	600*	400*	15	31	AT&T
1994	628	419*	16	35	Microsoft
1995	780	520*	22*	38	Microsoft
1996	800	533*	27*	43	Microsoft
1997	840	60*	34*	50	Microsoft
1998	1038	692*	49	54	IBM
1999	1456	839	63	62	IBM
2000	1968	1044	82	60	IBM
2001	2160	1079	89	64	IBM
2002	2362	1141	94	64	IBM
2003	2873	1329	106	70	IBM
2004	3150	1412	127	73	IBM
2005	4109	1582	144	78	IBM
2006	5606	1737	183	83	IBM
2007	6099	1756	205	88	IBM

Not included are hundreds of teams who competed in preliminary contests to qualify.
More than 300 teams were turned away in 2004 due to lack of space.
* denotes small discrepancies in old records are interpolated.

Did you know?

The Department of Computing Science has 47 faculty and 196 graduate students. To find out who they are, go to www.cs.ualberta.ca/people.

Banff, Alberta, Canada | April 6-10, 2008



Contest History

Past Winners

1977 - Michigan State University

1978 - Massachusetts Institute of Technology

1979 - Washington University, St. Louis

1980 - Washington University, St. Louis

1981- University of Missouri, Rolla

1982 - Baylor University

1983 - University of Nebraska, Lincoln

1984 - John Hopkins University

1985 - Stanford University

1988 - Caltech University

1989 - University of California, Los Angeles

1990 - University of Otago, New Zealand

1991 - Stanford University

1992- Melbourne University, Australia

1993 - Harvard University

1994 - University of Waterloo

1995 - Albert-Ludwigs-Unviersitat Freiburg

1996 - University of California, Berkeley

1997 - Harvey Mudd College

1998 - Charles University, Prague

1999 - University of Waterloo

2000 - St. Petersburg State University

2001 - St. Petersburg University

2002 - Shanghai Jiao Tong University

2003 - Warsaw University

2004 - St. Petersburg Institute of Fine Mechanics & Optics

2005 - Shanghai Jiao Tong University

2006 - Saratov State University

2007 - Warsaw University

Recent Gold Medal Winners In Order of Finish

2007

Warsaw University (Warsaw, Poland)

Tsinghua University (Tsinghua, China)

St. Petersburg University of IT, Mechanics & Optics (St. Petersburg, Russia)

Massachusetts Institute of Technology (Boston, USA)

2006

Saratov State University (Saratov, Russia)

Jagiellonian University - Krakow (Krakow, Poland)

Altai State Technical University (Barnaul, Russia)

University of Twente (Enschede, The Netherlands)

2005

Shangahi Jiao Tong University (Shangahi, China)

Moscow State University (Moscow, Russia)

St. Petersburg Institute of Fine Mechanics & Optics (St. Petersburg, Russia)

University of Waterloo (Waterloo, Canada)

2004

St. Petersburg Institute of Fine Mechanics & Optics (St. Petersburg, Russia)

KTH Royal Institute of Technology (Stockholm, Sweden)

Belarusian State University (Minsk, Belarus)

Perm State University (Perm, Russia)

Policies and Procedures

Mission:

The ACM International Collegiate Programming Contest (ICPC) provides college students with opportunities to interact with students from other universities and to sharpen and demonstrate their problem-solving, programming and teamwork skills. The contest provides a platform for the ACM, industry, and academia to encourage and focus public attention on the next generation of computing professionals as they pursue excellence.

Goals:

Decisions shall be governed by the following goals:

Attract as many students as possible.

Attract as many colleges and universities as possible.

Draw from as many areas of the world as possible.

Provide equitable access to the ACM-ICPC World Finals.

Strive for competitive contests.

Involve industry and shine the spotlight on students.

Maintain and support the volunteer base.

Culture:

Organization:

Promote regional integrity.

Provide global coordination.

Policy:

Keep it simple.

Serve, don't rule.

Never have the same problem for the same reason.

Principles:

Put people first.

Follow the Golden Rule.

Solve all solvable problems; then resolve all resolvable problems; finally, avoid the rest.

Grow strong by resolving conflicts.

Did you know?

The solving of checkers, accomplished by Jonathan Schaeffer, Computing Science Department Chair, was considered one of the top 10 discoveries of 2007.



Policies and
Procedures - continued

Membership and Tenure:

The ICPC Executive Committee is composed of the ICPC Executive Director, the ICPC Secretary, the Director of Regional Contests, the Finals Director, the Director of Judging, and at most five but not fewer than two other members. The ICPC Executive Director serves as chair. The immediate past ICPC Executive Director shall continue for one year as an additional member of the ICPC Executive Committee.

The contest is managed at Baylor University under the direction of Dr. William B. Poucher, who serves as the ICPC Executive Director. All other members of the ICPC Executive Committee are appointed by the ICPC Executive Director for renewable terms of office not to exceed two years. Every member of the ICPC Executive Committee shall have served for at least four years as a director, judge, or in some other critical volunteer management role, or shall be a sponsor representative. It is further expected that the ICPC Executive Director shall have served at least two years in organizing the ACM-ICPC World Finals.

In the event that the ICPC Executive Director cannot fulfill the duties of the office, the ICPC Executive Committee will select one of its members or a past ICPC Executive Director to assume those duties.

The ICPC International Steering Committee consists of the Director of Regional Contests who serves as chair, the ICPC Secretary, the Super Regional Directors, and at most five but not fewer than two other members. The ICPC Executive Director serves as an ex-officio member of this committee. The members of the committee other than the ICPC Secretary are appointed by the ICPC Executive Director upon the recommendation of the Director of Regional Contests for renewable terms of office not to exceed two years. Every member of the ICPC International Steering

Committee shall have served for at least two years as a director, judge, or in some other critical volunteer management role, or shall be a sponsor representative. The ICPC Executive Director makes all other appointments annually. An appointment to a committee or operational unit requires a recommendation from the committee chair or unit head. All appointees shall receive letters of appointment and annual recognition of service certificates. Every effort is made to continue those who have served, but not necessarily in the same role. The ICPC Executive Director may remove any appointee after consultation with those to whom the appointee reports.

Organization:

The ICPC is a two-tiered competition among teams of students representing institutions of higher education. Teams compete in Regional Contests, from which top scoring teams advance to the ACM-ICPC World Finals. As determined by the ICPC Executive Committee, Regional Contests are grouped into Super Regions. Super Regional Champions and the overall ICPC World Champions are recognized at the ACM-ICPC World Finals. Gold, Silver, and Bronze medal winners are also recognized. The ICPC Executive Committee is responsible for establishing contest rules, policy, and guidelines. The ICPC Executive Committee shall operate independently in order to assure the integrity of the ICPC. The ICPC International Steering Committee establishes the Regional Rules within the context of the contest rules, resolves regional appeals, rules on internationalization issues, and recommends ways to make the contest more accessible and attractive to international participants. The ICPC International Steering Committee approves regional variations to the Regional Rules. The ICPC Executive Director shall manage contest affairs, oversee budgetary matters,

and assure conformity with policies, procedures and sponsoring agreements. The ICPC Executive Director allocates, disburses, and authorizes the expenditure of all ICPC funds in consultation with affected ICPC leadership and in accordance with sponsoring agreements. The ACM-ICPC World Finals and Regional Contests are organized and directed by their respective directors. The Director of Judging is responsible for the oversight of past contest problems and defining the problem domain. The Finals Chief Judge supervises judging and resolves judging exceptions during the World Finals. The Director of Judging and Finals Chief Judge recruit and recommend judges and work together with them to formulate problems and establish judging criteria for the ACM-ICPC World Finals. Super Regional Directors are responsible for recruiting and recommending the appointment of Regional Contest Directors and coordinating their efforts with the ACM-ICPC World Finals.

Rules:

Contest Rules are determined by the ICPC Executive Committee in conjunction with the ICPC International Steering Committee and will be published within one week of the previous year's ACM-ICPC World Finals. These rules are interpreted and enforced by the ICPC Executive Director. If unforeseen circumstances dictate a rules change, the ICPC Executive Director shall make reasonable efforts to confer with affected parties before making such a change.

ACM-ICPC World Finals:

The ACM International Collegiate Programming Contest World Finals, hereinafter called the “World Finals,” is an event held each year, typically during

the month of March. Teams competing in the World Finals are selected from teams competing in Regional Contests. The World Finals is organized and administered by the ICPC Executive Director who also negotiates and arranges for World Finals facilities, activity meeting space, and hotel room accommodations. The ICPC Executive Director shall coordinate with the sponsor to assure availability of suitable space for sponsor events and activities. If the event is hosted by a conference, a letter of agreement shall be executed identifying all space and setup requirements and registration requirements as part of the joint agreement.

The Final Director is responsible for conducting the World Finals competition within the Contest Rules and guidelines established by the ICPC Executive Committee. The Director of Regional Contests is responsible for conducting the Regional Contest Directors' Symposium, the Regional Contest Directors' Meeting, and the ICPC International Steering Committee Meeting.

Regional Contests:

Regional Contests are held each year according to the Regional Contest Rules, typically no later than the Sunday following the third Saturday in November. Each Regional Contest is organized and operated by a Regional Contest Steering Committee, chaired by a Regional Contest Director who appoints the members. At least one of the members must be a faculty or staff member from another university willing to host a Regional Contest in the future. The ICPC Executive Director appoints Regional Contest Directors at the recommendation of the Director of Regional Contests. Each Regional Contest Steering Committee localizes the Regional Rules for its own Regional Contest, subject to approval by the Director of Regional Contests. There must not be any deviation

Did you know?

West Edmonton Mall is the world's largest shopping centre with shops, services and entertainment activities all under one roof.



Policies and
Procedures - continued

in eligibility criteria or in the process for appeal. It is presumed that regional contest rules will not deviate significantly from the Contest Rules so that teams might not be at a disadvantage when competing in the ACM-ICPC World Finals.

Funding of Regional Contests

Regional Contests are financially autonomous, ACM-ICPC-branded events of the host institutions. Nevertheless, Regional Contests must submit budgets for review to assure that funding and expenses are reasonable and that all sponsorship requirements are met, before administrative and logistical support for the Regional Contest may commence. All Regional Contests must award ICPC certificates, use ICPC badges, and provide conforming ICPC T-shirts. All Regional Contests must comply with ICPC sponsoring agreements regardless of whether ICPC or sponsor funding is provided.

Upsilon Pi Epsilon

Upsilon Pi Epsilon, the International Computer Science Honor Society, has supported the ICPC longer than any other society. UPE sponsors awards for all ICPC World Finalists. UPE traditionally hosts a reception or luncheon for contest participants the day preceding the ACM-ICPC World Finals. The ICPC shall provide space and the basic set up for the UPE business meeting and reception or luncheon at no charge. The basic set up includes chairs, tables, risers, dais, and house microphone. Any other set up or decoration is at UPE expense.



Sponsorship of the Contest

The ICPC Executive Director shall notify contest volunteers in a timely manner of requirements to comply with ICPC sponsoring agreements. Every effort shall be made to preserve sponsor benefits.

Modifying the Policies and Procedures

These Policies and Procedures may only be modified by a 2/3 vote of the ICPC Executive Committee. The current Policies and Procedures shall be posted at the ICPC Web Site.

Introduction

The contest is a two-tiered competition among teams of students representing institutions of higher education. Teams first compete in Regional Contests, held around the world from October to November of each year. The winning team from each Regional Contest advances to the ACM International Collegiate Programming Contest World Finals, typically held in March. Additional high-ranking teams may be invited to the World Finals as Wild Card teams. These rules are subject to change..

Organization

The ICPC is organized according to the ICPC Policies and Procedures. The Executive Committee, chaired by the Executive Director, sets the policy and general rules for the conduct of the contest. The Executive Director is solely responsible for interpreting the rules and for ruling on unforeseen situations.

World Finals Team Requirements

Teams qualify to advance to the World Finals through Regional Contests. Only one team from a given institution may advance to the World Finals. Team members will be provided free one-year memberships in ACM at On-Site Registration. No team member on the qualifying team may have competed as a contestant in more than two previous World Finals.

The coach of a qualifying team is the point-of-contact prior to and during World Finals activities. The coach must complete certification at the Team Certification Web Site within five (5) business days of notification. Qualifying teams will be issued an invitation by

ACM-ICPC
World Finals Rules

email and postal mail within one business day of completing certification.

Qualifying teams requiring visas must initiate the process of applying for visas within 10 business days of being issued an invitation. Teams failing to comply with any of these requirements will be ruled ineligible to compete in the World Finals. Upon completion of these requirements, a qualifying team will be advanced to the World Finals.

A team advancing to the World Finals will be comprised of the same three members as when it qualified. In the event that a team member is unwilling, unable or unfit to compete in the World Finals, the coach must notify the ICPC Manager in a timely manner. A team member who is unwilling or unfit to compete in the World Finals will be disqualified from further ICPC competitions. The team member may appeal a disqualification to the Appeals Committee.

At on-site registration, participants must provide picture ID (passport, driver's license, etc). Contestants must show proof of enrollment at the university during the term of the regional contest at which they qualified. A letter on university stationery with the signature of a university official accompanied by an English translation is sufficient.

Attendance

Finalists must attend all required events from On-Site Registration to Celebration as indicated in the Schedule of Events. Failure to attend any required event will result in disqualification and forfeiture of scholarships and prizes. Coaches must be accessible during On-Site Registration, the Practice Session, the World Finals, and the Awards Ceremony.

Did you know?

That the Edmonton has a vibrant arts and entertainment industry. Edmonton was named Canada's Cultural Capital for 2007.

ACM-ICPC
World Finals Rules

World Finals Support and Prizes

Each finalist team will be provided with hotel accommodations for the coach and three contestants for four nights, arriving three days before the World Finals and departing the day after. The hotel accommodations will either be a two-room suite or two separate sleeping rooms. The teams and coaches will be treated to a full schedule of activities including a full course of complimentary food functions. Transportation to the World Finals is the responsibility of the finalists. The ICPC encourages teams to raise funds for transportation and extracurricular activities from local sources, to better strengthen community ties among academia, industry, and government.

The UPE Computer Science Honor Society provides \$300 to each team attending the UPE Business Meeting, typically held the day before the World Finals, plus an additional \$450 to teams representing institutions with UPE chapters or who are in the process of establishing UPE chapters. Teams must attend the UPE Business Meeting to receive the UPE funds.

Teams finishing in the top four positions will be awarded Gold Medals. Those teams finishing fifth through eighth place will be awarded Silver Medals. Those teams finishing ninth through twelfth place will receive Bronze Medals. Additional Bronze Medals may be awarded.

The highest scoring team is the World Champion and will receive the World Champion Cup and plaques. The North American Champions, the Latin American Champions, the European Champions, the South Pacific Champions, the Asian Champions, and the Africa & Middle East Champions will be presented plaques.

The World Champion team will be awarded \$10,000. Each of the other three Gold Medal teams will be awarded \$3,000. Each Silver Medal team will be awarded \$2,000. Each Bronze Medal team will be awarded \$1,000. In the event of a tie, benefits of the affected places will be pooled and distributed evenly among the tying teams.

Conduct of the World Finals

Eight or more problems have been posed in recent World Finals.

Problems will be posed in English. During the contest, all communications from contest officials to contestants will be in English. Each team may identify an interpreter for translating questions posed by contestants to contest officials. Contestants may bring electronic natural language translators provided that they do not support math operations.

Solutions to problems submitted for judging are called runs. Each run is judged as accepted or rejected, and the team is notified of the results. Rejected runs will be marked as follows:

- run-time error
- time-limit exceeded
- wrong answer
- presentation error

Notification of accepted runs will be suspended at the appropriate time to keep the final results secret. A general announcement to that effect will be made during the contest. Notification of rejected runs will continue until the end of the contest.

ACM-ICPC
World Finals Rules

Contestant Conduct in the Contest Area and During the World Finals

DO NOT TOUCH ANYTHING at the team workstations until so directed by the Finals Director.

Contestants are not to converse with anyone except members of their team and personnel designated by the Finals Director. Systems support staff may advise contestants on system-related problems such as explaining system error messages.

A team may be disqualified by the Finals Director for any activity that jeopardizes the World Finals such as dislodging extension cords, unauthorized modification of contest materials, or distracting behavior.

Scoring of the World Finals

The World Finals Judges are solely responsible for determining the correctness of submitted runs. In consultation with the World Finals Judges, the Director of Judging is responsible for determining the winners of the World Finals. He or she is empowered to adjust for or adjudicate unforeseen events and conditions. Their decisions are final.

Teams are ranked according to the most problems solved. Teams placing in the first twelve places who solve the same number of problems are ranked first by least total time and, if need be, by the earliest time of submittal of the last accepted run.

The total time is the sum of the time consumed for each problem solved. The time consumed for a solved problem is the time elapsed from the beginning of the contest to the submittal of the first accepted run plus 20 penalty minutes for every previously rejected run for that problem. There is no time consumed for a problem that is not solved.

A contestant may submit a claim of ambiguity or error in a problem statement by submitting a clarification request. If the Judges agree that an ambiguity or error exists, a clarification will be issued to all contestants.

While the contest is scheduled to last five hours, the Finals Director has the authority to lengthen the contest in the event of unforeseen difficulties. Should the Contest duration be altered, every attempt will be made to notify contestants in a timely and uniform manner.

Computing Environment

The World Finals programming language tools include Java and C/C++. See the Programming Environment Web Site, for detailed configuration information. Prior to the World Finals the judges will have solved all problems in both Java and C/C++.

Each team will be provided with a single computer and a calculator. All teams will have equivalent computing equipment.

Contestants may not bring any printed materials or machine-readable versions of software or data to the Contest Area. Contestants may not bring their own computers, computer terminals, calculators, or other electronic devices to the Contest Area.

Each team member may bring an unannotated natural language printed dictionary. On-line reference materials will be made available as described at the Reference Materials Web Site. Each team will be permitted to provide a PDF file of up to 25 pages of notes within the limits described at the Team Certification Web Site. Details are provided at On-Site Registration Instructions.

Did you know?

There is more to the University of Alberta than academics; with champion athletic teams, intramural sports, and a wide variety of social clubs there is always something to do on campus.



World Finals
Roster

Africa and the
Middle East

Cairo University - Faculty of
Computers & Information

Salwa El Gamal, Coach
Hamza Ibrahim, Contestant
Mahmoud Ouda, Contestant
Mohamed El-Asmar,
Contestant

The American University in
Cairo

Sherif G. Aly, Coach
Khaled Hafez, Contestant
Remoun Metyas, Contestant
Soha Hassan, Contestant

University of Cape Town

Marco Gallotta, Coach
Migael Strydom, Contestant
Tamara von Glehn,
Contestant
Timothy Stranex, Contestant

Regal and intimidating the
average male big horned
sheep stands between 5
and 6 feet tall. If you are
lucky you may see one
foraging at the road side.



Asia

Amirkabir University of
Technology

Seyyed Mostafa Arefiyan
Khalilabad, Coach
Hadi Moshayedi, Contestant
Hossein Azizpour, Contestant
Mohammad Reza Khani,
Contestant

Bangladesh University of
Engineering & Technology

S.M. Hasibul Haque, Coach
Md. Mahbubul Hasan,
Contestant
Sabbir Yousuf Sanny,
Contestant
Shahriar Rouf, Contestant

Beijing Jiaotong University

Qingyong Li, Coach
Xudong Ma, Contestant
Yongliang Wang, Contestant
Yuelel Xie, Contestant

Beijing University of Posts and
Telecommunications

Ming Fang, Coach
Hua Huang, Contestant
Jinming Liang, Contestant
Ruining Wang, Contestant

Bina Nusantara University

Henny Surya Ningsih, Coach
Andrian Kurniady, Contestant
Kenny Hartono, Contestant
Timotius Sakti, Contestant

Chennai Mathematical
Institute

Narayan Kumar Krishnan,
Coach
Arnold Noronha, Contestant
Hrushikesh Tilak, Contestant
Kshitij Bansal, Contestant

College of Technology,
Vietnam National University,
Hanoi

The Duy Bui, Coach
Dinh Tu Nguyen, Contestant
Hoang Vu Nguyen,
Contestant
Thanh Hao Nguyen,
Contestant

East China Normal University

Chunyun Xiao, Coach
Boyang Zhou, Contestant
Junkui Chen, Contestant
Ziqiang Zhang, Contestant

East West University

Firoz Anwar, Coach
Mahbub Mozadded,
Contestant
Md. Arifuzzaman Arif,
Contestant
Sohel Hafiz, Contestant

Fudan University

Yonghui Wu, Coach
Bailu Ding, Contestant
Jiaqi Zhai, Contestant
Wenlei Xie, Contestant

Hong Kong University of
Science and Technology

Rui Li, Coach
Sung Him Chui, Contestant
You Wu, Contestant
Zhepeng Yan, Contestant

Indian Institute Of
Technology Madras

Shankar Balachandran, Coach
Pradhan Prashanth Kumar,
Contestant
Rahul Narayanamangalam
Sekar, Contestant
Vimalkumar Jeyakumar,
Contestant

Information and
Communications University

Won Taek Song, Coach
Minsung Hong, Contestant
Taeyoon Lee, Contestant
Yongrok Kim, Contestant

Kim Chaek University of
Technology

Myong Su Cha, Coach
Ji Song Han, Contestant
Ji Song Im, Contestant
Jin Sok Pak, Contestant
Kyoto University
Ippei Ohbayashi, Coach
Norihiro Katsumaru,
Contestant
Toshiyuki Hanaoka,
Contestant
Yuichi Yoshida, Contestant

Nanjing University of
Aeronautics and Astronautics

Shaohan Liu, Coach
Cai Wang, Contestant
Yonggang Luo, Contestant
Yu Yan, Contestant

Nanyang Technological
University

Quang Huy Nguyen, Coach
Anh Tuan Khuc, Contestant
Duc Dung Nguyen,
Contestant
Khac Nam Hua, Contestant

World Finals
Roster

National Institute of
Technology, Trichy, India

Viswanathan K. Iyer, Coach
Prasanna Shankaranarayanan,
Contestant
Siddharth Gopal, Contestant
Venkatesh Basker, Contestant

National Taiwan University

Pu-Jen Cheng, Coach
Cheng-Chiang Tsai,
Contestant
Chih-Cheng Shih, Contestant
Chun-Ju Yang, Contestant

National University of
Defense Technology

Peng Yuxing, Coach
Lai Shiming, Contestant
Yi Wei, Contestant
Zhang Zhaoning, Contestant

Peking University

Wei Guo, Coach
Jinyu Yao, Contestant
Tao Lei, Contestant
Teng Qin, Contestant



World Finals Roster

The majestic black bear is a commonly seen resident of Banff National Park. Cute and cuddly to look at but very dangerous in reality. Enjoy them from a distance.

Seoul National University

Jehee Lee, Coach
Do Kyoung Lee, Contestant
Jeehoon Kang, Contestant
Jin Hyun Kim, Contestant

Shandong University

Meng He, Coach
Fei Peng, Contestant
Lei Meng, Contestant
Mingfei Li, Contestant

Shanghai Jiao Tong University

Yong Yu, Coach
Mingcheng Chen, Contestant
Tao Xin, Contestant
Zhao Zheng, Contestant

Sharif University of Technology

Kamran Bavar, Coach
Mehdi Safar Nejad Broujeni, Contestant
Nima Ahmadi Pour Anari, Contestant
Vahid Liaghat, Contestant

The Chinese University of Hong Kong

Lap Chi Lau, Coach
Ho Kwong Kane Ho, Contestant
Tsz Chiu Kwok, Contestant
Yu Hang Ng, Contestant

The University of Tokyo

Shun Sakuraba, Coach
Kazuki Ota, Contestant
Shuhei Takahashi, Contestant
Sukehide Ushioda, Contestant

Tianjin University

Ruiguo Yu, Coach
Liang He, Contestant
Tao Wan, Contestant
Xiang Ying, Contestant

Tsinghua University

Xiaojun Wu, Coach
Dong Wang, Contestant
Fan Long, Contestant
Wenbin Tang, Contestant

University of Electronic Science and Technology of China

Gou Shengping, Coach
Haibo Huang, Contestant
Peizhe Shu, Contestant
Xianghong Luo, Contestant

University of Natural Sciences - VNUHCM

Xuan Nhat Lam, Coach
Anh Khoa Hong, Contestant
Chi Thien Nguyen, Contestant
Vinh Bao Dang, Contestant

University of Tehran

Manoucherhr Parsaei, Coach
Nima Aghdaie, Contestant
Soroush Radpour, Contestant
Vahid Ghasemzadeh Tehrani, Contestant

Wuhan University

Dong Wenyong, Coach
Cui Hanqing, Contestant
Cui Zheng, Contestant
Gao Yunxiang, Contestant

Zhejiang University

Kai Weng, Coach
Kun Yang, Contestant
Xin Liu, Contestant
Zechao Shang, Contestant

Zhongshan (Sun Yat-sen) University

Songshan Guo, Coach
Huidong Zhang, Contestant
Lei Wang, Contestant
Zhaoyi Zhang, Contestant

Europe

AGH University of Science and Technology

Tomasz Szydlo, Coach
Andrzej Szombierski, Contestant
Daniel Czajka, Contestant
Marcin Wielgus, Contestant

Altai State Technical University

Elena Kryuchkova, Coach
Andrey Akinshin, Contestant
Artur Mogozov, Contestant
Maxim Kolosovskiy, Contestant

Belarusian State University

Vladimir Kotov, Coach
Mikita Lesnikau, Contestant
Pavel Irzhauski, Contestant
Uladzimir Kerus, Contestant

Helsinki University of Technology

Harri Haanpää, Coach
Markus Ojala, Contestant
Veli Peltola, Contestant
Ville Pettersson, Contestant

Izhevsk State Technical University

Vladimir Tarasov, Coach
Alexander Skidanov, Contestant
Evgeniy Kuzyakov, Contestant
Victor Kamashev, Contestant

Jagiellonian University

Pawel Idziak, Coach
Alan Meller, Contestant
Bartosz Walczak, Contestant
Rafal Jozefowicz, Contestant

Lviv National University named after Ivan Franko

Natalia Zhuravlova, Coach
Ostap Korkuna, Contestant
Ruslan Babilya, Contestant
Vasyl Biletskyy, Contestant

Moscow Institute of Physics & Technology

Eugene Barsky, Coach
Daniil Shved, Contestant
Igor Kvasov, Contestant
Mihail Kostin, Contestant

Moscow State University

Evgeny Pankratyev, Coach
Eugueny Shavlyugin, Contestant
Ivan Popelyshev, Contestant
Michael Levin, Contestant

World Finals Roster

Norwegian University of Science and Technology

Tor Gunnar Høst Houeland, Coach
Magnus Kristiansen, Contestant
Ruben Spaans, Contestant
Rune Fevang, Contestant

Novosibirsk State University

Tatyana Churina, Coach
Dmitry Butyugin, Contestant
Stepan Gatilov, Contestant
Vladislav Kuzkokov, Contestant

Orel State Technical University

Oleg Sokov, Coach
Dmitry Zhukov, Contestant
Ilia Shishkov, Contestant
Mikhail Ershov, Contestant

Oxford University

Damien Sereni, Coach
Daniel Bundala, Contestant
Frantisek Simancik, Contestant
Jakub Zavodny, Contestant

The chipmunk is another common resident of the park. These little guys are pretty approachable, but don't be fooled. They will convince you to share your lunch and you'll get bit... hard! Don't feed the animals, they are all wild.



Did you know?

Through www.cs.ualberta.ca the Department of Computing Science has a chatroom available for potential students to ask questions about our programs.



You can see the power of water to cut through the stone. The Bow river has carved some very deep crevasses through the mountain.

World Finals
Roster

[Petrozavodsk State University](#)
Denis Vlasov, Coach
Ivan Arkhipov, Contestant
Maxim Spirichev, Contestant
Viacheslav Medvedev, Contestant

[St. Petersburg State University](#)
Andrey Lopatin, Coach
Oleg Davydov, Contestant
Sergey Kopeliovich, Contestant
Yury Petrov, Contestant

[St. Petersburg University of IT, Mechanics and Optics](#)
Andrey Stankevich, Coach
Dmitry Abdrashitov, Contestant
Dmitry Paraschenko, Contestant
Fedor Tsarev, Contestant

[Stavropol State University](#)
Elena Bondarenko, Coach
Ivan Krasilnikov, Contestant
Kirill Gritsenko, Contestant
Mikhail Babenko, Contestant

[Universidad Complutense de Madrid](#)
Luis Hernández Yáñez, Coach
David García Soriano, Contestant
Enrique Martín Martín, Contestant
Luis Hernández Corbato, Contestant

[Universität Karlsruhe \(TH\)](#)
Michael Baur, Coach
Arne Alex, Contestant
Martin Bäuml, Contestant
Moritz Kobitzsch, Contestant

[University of Zagreb](#)
Kresimir Malnar, Coach
Igor Canadi, Contestant
Lovro Puzar, Contestant
Luka Kalinovic, Contestant

[Ural State University](#)
Alexander Klepinin, Coach
Alexey Samsonov, Contestant
Daniil Ayzenshteyn, Contestant
Igor Chevdar, Contestant

[Vinnytsia National Technical University](#)
Volodymyr Mesyura, Coach
Andriy Kozachuk, Contestant
Dmytro Bilous, Contestant
Dmytro Korzhyk, Contestant

[Warsaw University](#)
Jan Madey, Coach
Filip Wolski, Contestant
Marcin Pilipczuk, Contestant
Marek Cygan, Contestant

Latin America

[FaMAF - Universidad Nacional de Córdoba](#)
Carlos de la Torre, Coach
Lucas Rearte, Contestant
Matías Moya, Contestant
Pablo Dal Lago, Contestant
[Institute of Computing - University of Campinas](#)
Alberto Miranda, Coach
André Linhares Rodrigues, Contestant
Guilherme Kunigami, Contestant
Paulo Roberto de Almeida Costa, Contestant

[Instituto Militar de Engenharia](#)
Claudia Justel, Coach
Rafael Paulino, Contestant
Renato Paes Leme, Contestant
Thiago Pereira, Contestant

[Instituto Tecnológico de Aeronautica](#)
Armando Gouveia, Coach
Anderson Aiziro, Contestant
Felipe Souza, Contestant
Rafael Daigo Hirama, Contestant

[Instituto Tecnológico de Culiacán](#)
María Lucía Barrón Estrada, Coach
Guillermo Alberto Sandoval-Sanchez, Contestant
Jesus Eduardo Urias-Barrientos, Contestant
Jesus-Moises Osorio-Velazquez, Contestant

[Universidad Centroccidental Lisandro Alvarado](#)
Maria Auxiliadora Perez, Coach
Alejandro Ignacio Lamedá López, Contestant
Camilo Ernesto Romero Cuevas, Contestant
Carlos Alejandro Lamedá López, Contestant

[Universidad de Buenos Aires](#)
Laura Bolognini, Coach
Leandro Groisman, Contestant
Luciano Quintabani, Contestant
Santiago Perez Gonzalez, Contestant

[Universidad de Guadalajara - CUCEI](#)
Abelardo Gómez Andrade, Coach
Juan Pablo Marin Rosas, Contestant
Luis Enrique Vargas Azcona, Contestant
Mario Alberto Diaz Torres, Contestant

[Universidad de Guanajuato](#)
Pavel Herrera Dominguez, Coach
Gonzalo Montalván Gamez, Contestant
Juan Francisco Padilla Franco, Contestant
Miguel Ángel Covarrubias, Contestant

[Universidad de los Andes](#)
Sonia Vivas, Coach
Alejandro Sotelo, Contestant
Federico Arboleda, Contestant
Ivan Rey, Contestant

World Finals
Roster

[Universidade de São Paulo](#)
Wanderley Guimarães da Silva, Coach
Cristiane Maria Sato, Contestant
Guilherme de Azevedo Silveira, Contestant
Leonardo Bespalhuk Facci, Contestant

North America

[Brown University](#)
John Jannotti, Coach
Adrian Vladu, Contestant
Dimitar Bounov, Contestant
Greg Pascale, Contestant

[California Institute of Technology](#)
Donnie Pinkston, Coach
Ben Zax, Contestant
Eui Woong Lee, Contestant
Seung Woo Shin, Contestant

[Carnegie Mellon University](#)
Gregory Kesden, Coach
Kee Tee Lawrence Tan, Contestant
Nathaniel Bauernfeind, Contestant
Young Sub Bae, Contestant

Alberta is all about diversity. See how quickly the landscape changes from the flattest of prairies to the rocky mountains.



Did you know?

There is a shortage of qualified computing professionals in North America.

World Finals
Roster

Cornell University

Lars Backstrom, Coach
Anand Bhaskar, Contestant
Hooyeon Lee, Contestant
Wei-Lung Tseng, Contestant

Duke University

Owen Astrachan, Coach
Andrew Waterman, Contestant
Jason Bosko, Contestant
Matthew Rognlie, Contestant

Georgia Institute of Technology

David Van Brackle, Coach
Chinmay Karande, Contestant
David Foster, Contestant
Marc-Antoine Pare, Contestant

Illinois State University

Mary Goodwin, Coach
Jason Eilts, Contestant
Kelly Doran, Contestant
Nathan Fleming, Contestant

Iowa State University

Simanta Mitra, Coach
Kirk Sykora, Contestant
Michael Seibert, Contestant
Pavel Kazatsker, Contestant

Massachusetts Institute of Technology

Martin Rinard, Coach
Andrew Lutomirski, Contestant
Bohua Zhan, Contestant
Xuancheng Shao, Contestant

Michigan Technological University

David Poplawski, Coach
Mikola Lysenko, Contestant
Nicholas Smolinske, Contestant
Ryan Richards, Contestant

Northwestern University

Peter Dinda, Coach
Anda Bereczky, Contestant
Nikola Borisov, Contestant
Nikolay Valtchanov, Contestant

Princeton University

Indraneel Mukherjee, Coach
Amirali Shanechi, Contestant
David Costanzo, Contestant
John Pardon, Contestant

Simon Fraser University

Bradley Bart, Coach
Adi Himawan, Contestant
Bo Chen, Contestant
Simon Lo, Contestant

Stanford University

Gerald Cain, Coach
Andy Nguyen, Contestant
Chen Gu, Contestant
Meng-Hsuan Wu, Contestant

University of Alberta

Martin Müller, Coach
Devin Doucette, Contestant
Kevin Waugh, Contestant
Steven Soneff, Contestant

University of British Columbia

Kaitlin Sherwood, Coach
Anton Likhtarov, Contestant
Henry Wong, Contestant
Nhan Nguyen, Contestant

University of Calgary

Jim Parker, Coach
Darko Aleksic, Contestant
Sean McIntyre, Contestant
Tom Flanagan, Contestant
University of Central Florida
Ali Orooji, Coach
Jeremy Elbourn, Contestant
Nadeem Mohsin, Contestant
Stephen Fulwider, Contestant

University of Delaware

Ben Breech, Coach
Ben Karel, Contestant
Matthew Grieder, Contestant
William Lynch, Contestant

University of Florida

Dave Small, Coach
Brianna Satinoff, Contestant
Joshua Hartman, Contestant
Miorel Palii, Contestant

University of Illinois at Urbana-Champaign

Marsha Woodbury, Coach
Arindam Saha, Contestant
Jacob Lee, Contestant
Pichayoot Ouppaphan, Contestant

University of North Texas

Ryan Garlick, Coach
Hector Cuellar, Contestant
John Rizzo, Contestant
Robert Burke, Contestant

University of Saskatchewan

Christopher Dutchyn, Coach
Christoph Dittmann, Contestant
K.C. Cinnati Loi, Contestant
Travis Calder, Contestant

University of Texas at Austin

Ryan Pai, Coach
Andrey Petrov, Contestant
David Wahler, Contestant
Pathikrit Bhowmick, Contestant

University of Waterloo

Gordon Cormack, Coach
Konstantin Lopyrev, Contestant
Simon Parent, Contestant
Yang Peng, Contestant

University of Wisconsin - Madison

Dieter van Melkebeek, Coach
Chunsong Wang, Contestant
David Malec, Contestant
Jason Malinowski, Contestant

World Finals
Roster

South Pacific

Griffith University

Team Name: The Toclafane
Andrew Rock, Coach
Katie McLaughlin, Contestant
Michael McMullen, Contestant
Nicholas Dahm, Contestant

University of Auckland

Team Name: Thursday
Michael Dinneen, Coach
Heather Macbeth, Contestant
Matthew Gatland, Contestant
Matthew Steel, Contestant

Mountain goats traversing the characteristically rocky terrain of their preferred home on the mountain side



Did you know?

The Department of Computing Science has 12 different research groups. Check them out at www.cs.ualberta.ca/research.

2008 World Finals
Staff and Volunteers

ICPC Team

Roman Alekseenkov, ICPC Challenge 2009 Team
Roy Andersson, Sub-contest Manager
Samir Ashoo, Systems - PC^2
Per Austrin, World Finals Judge & 2009 World Finals Committee
Osman Ay, World Finals Judge
John Bonomo, World Finals Judge
Bill Booth, CLIS Chief Editor
Troy Boudreau, Systems - PC^2
Stephen Bourne, ACM President Emeritus
Corey Carbonara, ICPC Digital Media
Carlos Marcelino Casas Cuadrado, On-line Judging
Tomas Cerny, ICPC HQ Services
Don Chamberlin, World Finals Judge
John Clevenger, Contest Systems Director
James Comer, Associate Director
Marjene Comer, ICPC HQ Staff
Mattias de Zalenski, 2009 World Finals Committee
Joseph DeBlasi, ICPC Awards Committee
Hans Domjan, Digital Media Production
Jeff Donahoo, ICPC HQ Services Director
Lisa Donahoo, Digital Media Production
Paul Edelman, ICPC HQ Services
Roman Elizarov, CLS – Regional Challenge
Mats Erixon, 2009 World Finals Committee
Stuart Feldman, ACM President
Don Gaitros, Assistant World Finals Director
Vicki Gaitros, Registrar Assistant
Mikael Goldmann, 2009 World Finals Committee
Russell Harris, ACM Headquarters
David Hill, Photographer
Ray Holder, ICPC HQ Services
Sharon Humphrey, On-site Registration
Patrick Hynan, Director of Operations
Lillian Israel, ACM Headquarters
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Ben Kelley, Baylor Steering Committee Chairman
Derek Kisman, World Finals Judge
Peter Kluit, World Finals Judge
Claus Knudsen, 2009 World Finals Committee
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Michael Korpi, ICPC Digital Media Producer
Gunnar Kreitz, 2009 World Finals Committee
Douglas Lane, Systems - PC^2
Jon Larsson, 2009 World Finals Committee
José Paulo Leal, CII - Porto Contest Systems
Orlando Madrigal, ICPC Registration
Shahriar Manzoor, World Finals Judge
Josh Marshall, Videographer
Leigh Ann Marshall, ICPC Media Relations Manager
Michael Mirzayanov, ICPC Challenge 2009 Team
Jillian Murphy, Photographer
Fredrik Niemelä, Assistant Director & 2009 World Finals Committee Chair
Jo Perry, World Finals Chief Judge
Jeffrey Popyack, ICPC Registration
Marsha Poucher, ICPC Manager
William B. Poucher, ICPC Executive Director
Mikael Renström, 2009 World Finals Committee
Miguel Revilla, ICPC On-line Judging
Miguel A. Revilla, ICPC Problem Archivist
Dick Rinewalt, Director of Judging
Robert Roggio, ICPC Registration
Ivan Romanov, ICPC Challenge 2009 Team
Robert Roos, World Finals Judge
Matthias Ruhl, World Finals Judge
Fernando Silva, CII – Porto Contest Systems
Brian Sitton, Systems and Testing Manager
Amanda Sturgill, ICPC Events
David Sturgill, ICPC Challenge Judge
Ria van Ouwerkerk, ICPC Secretary
Stanley Wileman, World Finals Judge
Angela Wu, ICPC Registration
Bing (Alex) Yin, ICPC HQ Services

2008 World Finals
Staff and Volunteers

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Regional Contest Support

yad Ajwa, East Central North America
Raewyn Boersen, South Pacific
Kyung-Yong Chwa, Seoul
John Cigas, Mid-Central USA
James Comer, Regional Contests
Ricardo Dahab, South America
Adam Florence, Greater New York
Mohammad Ghodsi, Tehran
Phalguni Gupta, Kanpur
Abul L. Haque, Dhaka
Maung Htay, Mid-Atlantic USA
C. J. Hwang, Asia
Thijs Kinkhorst, Northwestern Europe
Alberto Lamadrid, Mexico and Central America
Krzysztof Lorys, Central Europe
Ming Lu, Hefei
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Bozena Mannova, Europe
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Vladimir Parfenov, Northeastern Europe
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Kris Rudin, Pacific Northwest North America
Ryan Stansifer, Southeast USA
Adam Suhaimi, Kuala Lumpur
Nicolae Tapus, Southeastern Europe
Isaac Traxler, South Central USA
Kathryn Traxler, South Central USA
Paul Tymann, Northeast North America
Alexander Vazhenin, Aizu
YongSheng Wang, Beijing
Tobias Werth, Southwestern Europe
Stanley Wileman, North Central North America
Desen Yang, Harbin
Sablin Yusuf, Jakarta
Ming Zeng, Chengdu

Abdul Rahim Ahmad, Kuala Lumpur Public Relations Chair
Sa'idatul Bariah Ahmad, Kuala Lumpur Secretary General
Mohiuddin Ahmed, Kuala Lumpur Associate Director
Ricardo de Oliveira Anido, South America Chief Judge
Normaziah Abdul Aziz, Kuala Lumpur Deputy Chair – Working Committee
Phil Bordelon, South Central Chief Judge
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Kun-Mao Chao, Taipei Deputy Chair
Lei Chen, Chengdu Committee Member
Miao Chi, Harbin Committee Member
Cassio de Campos, Brazil Systems Direcort
Yu Dong, Hefei Associate Director
Zurina Abdul Ghani, Kuala Lumpur Event Management Chair
Trino Gomez, Venezuela Site Director
Jaap Eldering, Northwest Europe Systems Manager
Hossam ElGindy, South Pacific Chief Judge
Sandy Ferrara, Northeast NA Contest Manager
Carlos Ferreira, Brazil Director
Marc Furon, Problem Pooling
Roger Henriksson, Northwestern Europe
Vaclav Herman, Central Europe Executive Director
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Raymondus Kosala, Jakarta Deputy Director
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Jan Kuipers, Northwest Europe Head Judge
Dong Mei Li, Assistant to Asia Director
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ChunYing Liu, Hangzhou Chief Coordinator
Rui Liu, Beijing Committee Member
Xingwei Liu, Future Asia Site Chief Judge
Yun-Fang Liu, ICPC Council China Advisor
Zhiqiang Liu, Harbin Committee Member
Irene Loiseau, Argentina Site Director
Jan Madey, Central Europe
Federico Meza, Chile Site Director
Rui Mou, Chengdu Deputy Director
Mohd. Azmi Omar, Kuala Lumpur Deputy Rector
Yen Lina Prasetyo, Jakarta Coordinator



The wild rose is Alberta's provincial flower, and can be found growing throughout the province's natural areas.

Did you know?

The Department of Computing Science at the U of A has strong ties to industry including computer games companies BioWare and Electronic Arts.



2008 World Finals
Staff and Volunteers

Regional Contest
Support continued...

Charles Riedesel, North Central North America Site Director
Philip Robbins, South Pacific Manager
Syed Mohd. Hazrul Syed Salim, Kuala Lumpur Technical Chair
Anand Shenoy, Amritapuri Associate Director
Ed Skochinski, Southern California Judge
Guillermo Solis, Venezuela Assistant Site Director
GuangZhong Sun, Hefei Assistant Director
Yahya Tabesh, Tehran Assistant Director
Hong Tang, Beijing Systems Committee
Jian-Yong Teng, ICPC Council China Committee Member
Wangqiang Wei, Beijing Committee Advisor
Jacqueline Whalley, New Zealand Contest Supervisor
Howard Whitston, Southeast USA Site Director
Lee Wittenberg, Greater New York Systems Director
Jingzhong Xiao, Chengdu Coordinator
Wei Xu, ICPC Council China Committee Member
Xiaohui Yang, Beijing Vice Director
Guisheng Yin, Harbin Deputy Director
Jingshan Yu, Harbin Committee Member
Lin Zhao, Harbin Deputy Director
Wei-Min Zhou, ICPC Council China Secretary General
Xuchuan Zhou, Chengdu System's Chair
Zhi-Kai Zhou, ICPC Council China Director Assistant

UPE Team

Eric Ackerman, News Editor and Webmaster
James Comer, Executive Council Member
Orlando Madrigal, Executive Director
Ali Orooji, Executive Council Member
Jeffrey Popyack, International President
Bill Poucher, Alumni Representative
Robert Roggio, Executive Council Member
Angela Wu, Executive Council Member

Competitive Learning
Institute Symposium

Roman Alekseenkov
Samir Ashoo
Per Austrin
Bill Booth, Chief Editor
Troy Boudreau
Carlos Marcelino Casas Cuadrado
Tomas Cerny
John Clevenger
Tim deBoer
Jeff Donahoo
Paul Edelman
Roman Elizarov
Mats Erixon
Marc Furon
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Pat Hynan
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Shahriar Manzoor
Josh Marshall
Michael Mirzayanov
Fredrik Niemelä
William B. Poucher
Miguel Revilla
Miguel A. Revilla
Ivan Romanov
Fernando Silva
Brian Sitton
David Sturgill
Bing (Alex) Yin
Brian Sitton
David Sturgill



IBM Team

Sponsorship Leadership
Jim Caldwell, IBM Corporation, Director of Technical Strategy, Software Group, ICPC Sponsorship Executive
Brenda Chow, IBM Toronto Software Laboratory, ICPC Sponsorship Manager
Douglas Heintzman, IBM Corporation, Director of Strategy, Lotus Software, ICPC Sponsorship Executive
Jai Menon, IBM Fellow, VP Technical Strategy, IBM Corporation, Almaden, CA

Sponsorship Staff

James Angstadt, IBM Media Relations Team
Mike Boden, IBM Canada, Media Relations
Tim deBoer, IBM Toronto Software Laboratory, IBM Systems Team
Rodney D'Silva, IBM Toronto Software Laboratory, IBM Systems Team Leader
Scott Gilmore, IBM Events Team
Mark Guan, IBM Corporation, Media Relations
Len Hallke, IBM Events Team
Chris Kale, IBM Toronto Software Laboratory, IBM Systems Team
Debbie Kilbride, IBM Toronto Software Laboratory, IBM/ICPC Program Administrator
Jill Monahan, IBM Media Relations Team
Cheryl Morris, IBM Toronto Software Laboratory, IBM/ICPC Program Manager
Kim O'Connell, IBM Events Team
Dana Procaccino, IBM Media Relations Team
Bipasha Ray, IBM Corporation, Media Relations
Patrick Sweitzer, IBM Toronto Software Laboratory, IBM Systems Team
Jonathan Wray, IBM Canada, Media Relations
Jo Zacharie, IBM Events Team

2008 World Finals
IBM Staff and Volunteers

World Finals Staff

Margaret Ashida, Director, Talent, IBM Software Group, Somers, NY
Deirdre Athaide, Sensor and Actuator Solutions, IBM Toronto Lab, Toronto, ON
Jean-Francois Barsoum, Senior Managing Consultant, IBM Canada Ltd., Montreal, QC
Li-Te Cheng, Research Staff Member, IBM Research, Cambridge, MA
Jason T Clark, Staff Software Developer, IBM Corporation, Raleigh, NC
Daniel Coffman, Research Scientist, IBM T.J. Watson Research Lab, Hawthorne, NY
Steve Dale, Manager, IBM Extreme Blue, Austin, TX
Dilma da Silva, Research Staff Member, IBM T.J. Watson Research Lab, Hawthorne, NY
Sandy Dochen, Corporate Citizenship and Corporate Affairs, IBM Corporation, Austin, TX
Carl Kriger, Development Manager, IBM Corporation, Westford, MA
Bernie Kollman, Vice President, Public Sector Alberta, IBM Canada Ltd., Edmonton, AB
Meng Mao, 4GL Programming Languages Software Developer, IBM Corporation, Westford, MA
Maggie McCabe, IBM Global Talent Staffing Partner, Lexington, KY
Jennifer Schachter, WebSphere Commerce Development, IBM Toronto Lab, Toronto, ON
Xiaomei Wang, Information Management, IBM Toronto Lab, Toronto, ON
Joshua Woods, Java Software Developer, IBM Corporation, Southbury, CT



Did you know?

The University of Alberta has earned the reputation as being one of the best universities in Canada based on our strengths in teaching, research, services, and athletics.

The oil and gas industry is a vital part of the Alberta Economy. It is not unusual to see a pump placed in the middle of a farmer's field.

2008 World Finals

University of Alberta Staff and Volunteers

Staff

Jill Bagwe

Janelle Harms

Bridgette Heppner

Rob Lake

Paul Lu

Sheryl Mayko

Paul Sorenson

Jonathan Schaeffer

Barry Gergel

Koosha Golmohammadi

Israat Haque

Kevin Jacobson

Bryan Johnson

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Sheehan Khan

Martin Kupsta

Jonathan Kwan

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Meysam Zargham

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Babak Behsaz

Babak Bostan

David Chodos

Kelvin Chow

Neesha Desai

Russell Dodd

Lyudmyla Dorosh

Jessica Enright

Freeman Fan



Summer in the city of Edmonton. The river valley provides residents with unlimited recreational opportunities.



The University of Alberta wishes to thank everyone who contributed to make this event a success. A special thank you goes to AET and iCORE for their financial support.

Banff, Alberta, Canada | April 6-10, 2008



UNIVERSITY OF ALBERTA

... a place of possibilities

The University of Alberta is one of Canada's most dynamic, internationally recognized postsecondary institutions, well known for the breadth of its undergraduate and graduate programs. Ranked among the top 100 public research-intensive universities in the world, this is one of Canada's top universities, with a reputation for excellence, particularly in the health sciences, computing science, engineering, and the physical and environmental sciences.

As the University of Alberta marks its centenary this year, students and professors will pause to celebrate our people and our collective accomplishments. It will be a time to celebrate all that we have created together. What began as a small provincial, rural-focused school, is now an internationally recognized university that is a world-leader in diabetes research, nanotechnology, humanities computing, artificial intelligence, carbohydrate chemistry, and circumpolar research.

Today, our annual external research funding exceeds \$480 million, we have more than 36,000 students in over 200 undergraduate programs and 170 graduate programs. We are now home to more than 2,200 international students from more than 100 countries.

We are recognized around the globe for the quality of our programs and the variety of academic choices available to our students. Many of today's and tomorrow's great discoveries and advances in knowledge will be found on the margins and intersections of various fields. The interdisciplinary nature of teaching and research is a hallmark of the university. It is a place of possibilities.

Opened in 1908 as a board-governed public institution in a frontier town, the University of Alberta now finds itself situated in one of Canada's most dynamic metropolitan cities, Edmonton, the vibrant capital of the province of Alberta—a city with one million residents, consistently ranked as one of Canada's most diverse and rapidly expanding economies.

Our vision is to inspire the human spirit through outstanding achievements in learning, discovery and citizenship in a creative community, building one of the world's great universities for the public good.

The university's pioneering spirit inspires faculty and students to advance knowledge through research, seek innovation in teaching and learning, and find new ways to serve the people of Alberta, the nation, and the world.

IBM University Programs at a Glance

IBM's Academic Initiative is an innovative, global program to collaborate with educators in teaching students the open standards skills necessary to compete and keep pace with changes in the ever-changing I/T workplace and to prepare them for the jobs of tomorrow. This initiative offers a wide range of technology education benefits that can be scaled to meet the goals of most educational institutions, ranging from large research universities to community colleges and vocational schools. IBM will work with schools that support open standards and seek to use open source and IBM technologies for teaching purposes, both directly and virtually via the Web.

The Academic Initiative includes an online portal that provides access to software, hardware, training and course materials, most at no charge. Through the web site, IBM offers hundreds of resources for integration into college curricula to help teach students how to master the fast-growing market of open technologies. Examples of IBM products and resources include:

- Download access to a comprehensive set of IBM middleware and tools
- Remote access to IBM hardware, as well as discounts on select IBM servers
- Education resources ranging from product tutorials and skill development courses to publications with detailed integration guidelines; advanced technology topics and training to complete courses-in-a-box, with instructor and student guides, hands-on lab exercises and exams
- Support resources including discounts on IBM certification exams, e-mail-based technical support, newsletters, tutorials and articles, forums and much more

One of the Academic Initiative's key benefits is to provide training and consulting services to faculty who meet specific prerequisites. Our highly skilled team of IT industry consultants works closely with professors and teaching assistants to provide skills transfer on IBM open standards technologies. The technical training and support resources include:

- No-cost training for faculty on tools, middleware and technology
- Consultative assistance with the development of course content
- Access to IBM alphaWorks (www.ibm.com/alphaworks/) and IBM developerWorks (www.ibm.com/developerworks/), free resources for developers, administrators, architects, designers and testers
- Online education, hands-on labs, technical briefings, guest lectures and web events IBM is interested in ensuring that colleges and universities produce technical professionals that graduate with open standards skills and that can succeed against today's IT integration challenges.

For more information, please visit the Web site today (ibm.com/university/academicinitiative), and sign up for the free benefits we have to offer - it only takes a few seconds to join.

Other IBM University Relations Associated Programs

- Shared University Research awards (SUR): The IBM Shared University Research (SUR) Awards is a worldwide program that awards equipment to promote research in areas of mutual value and interest to IBM and universities. This program strives to connect the research and researchers at universities with personnel in IBM in organizations such as IBM Research, IBM Life Sciences, IBM Global Services and our development and product labs.
- Faculty awards: The IBM Faculty Awards is a competitive worldwide program intended to foster collaboration between researchers at leading universities worldwide and those in IBM research, development and services organizations, and to promote courseware and curriculum innovation to stimulate growth in disciplines and geographies that are strategic to IBM.
- Ph.D. Fellowship awards: The IBM Ph.D. Fellowship Awards is an annual, competitive worldwide program that honors exceptional Ph.D. students in an array of focus areas of interest to IBM and fundamental to innovation. IBM Ph.D. Fellowships are awarded to full-time Ph.D. students nominated by their faculty advisor.
- Open Collaborative Research awards: IBM Open Collaborative Research (OCR) program encourages computer scientists to develop open-source code that will improve the quality of software applications for industry, government and community-based organizations.
- Innovation Awards: The IBM Innovation Awards is an international award competition designed to encourage proposals focused on teaching, research, or community building around key technologies. Since 2003, IBM has sponsored programs to increase the use of open source and open standards-based tools for academic curricula and research.
- World Community Grids: World Community Grid's mission is to create the largest public computing grid benefiting humanity. Our work is built on the belief that technological innovation combined with visionary scientific research and large-scale volunteerism can change our world for the better. Our success depends on individuals - like you - collectively contributing their unused computer time y time to this not-for-profit endeavor.
- Centers for Advanced Studies (CAS): Facilitate the exchange of academic research knowledge and real world industry challenges towards enhancing IBM products, processes & services. CAS, with 22 locations around the world, builds and fosters relationships among researchers, funding agencies, IBM, and customers. Visit www.ibm.com/ibm/cas for more information.