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Welcome to Stockholm

Beauty on water, are words often said about Stockholm. From the first day we started to plan for the 2009 World Finals we said “we want to show our beautiful city, we want the whole city to be our venue”. This is why you will live in the city center, right next to the water, you will walk around the city, along the water, you will travel to many places in the city, maybe even on water, and you will drink the clean water from the lake that cuts through the city, surrounding its islands, as it meets the Baltic Sea.

When you wake up on Wednesday you will have been able to see Stockholm from many points of view. You will have experienced not only the water, but also the beautiful KTH Campus and maybe got a little of the Nobel spirit. All of us from the KTH organizing team deeply hope you will wake up on Wednesday and think “these days in Stockholm I will never forget”.

This brochure will be your guide to the World Finals in Stockholm, but it also contains the history we want to provide for you and in the future we hope it can serve to remind you of a very special time in your life.

Per Austrin  Gunnar Kreitz
Mats Erixon  Jon Larsson
Mikael Goldmann  Fredrik Niemelä
Linda Kann  Mikael Renström
Claus Knudsen  Mattias de Zalenski

City Hall
Stockholm
Welcome to Stockholm!

Welcome to the 33rd Annual ACM International Collegiate Programming Contest World Finals sponsored by IBM and hosted by KTH – Royal Institute of Technology. We have partnered with the UPE Honor Society and ACM to provide you with the finest possible setting here in historic Stockholm.

The ACM-ICPC World Finals culminates the efforts of faculty and students from 1,838 universities in 88 countries that placed 7,109 teams at over 240 regional sites worldwide. The top 100 teams have advanced to the World Finals. Congratulations to the 2009 World Finalists and to those who have made this possible.

You have earned the right to compete for further recognition for a simple reason. You bested 7,009 other teams on six continents who challenged you to do your best. So here you are, champions all, with the opportunity to earn medals – bronze, silver, and gold – while vying to make the “2009 World Champions” prove their worth beyond measure.

There are so many stars visible in the ICPC Community. UPE has served for 39 years, ACM has served for 33 years, and Baylor University has served for 26 years. In 12 years of IBM sponsorship, the ICPC expanded to 1,838 universities on six continents! That commitment gave life to the IBM Academic Initiative that today makes the riches of IBM scholarship and innovation available at no cost to computer science faculty and students the world over.

Consider DeBlasi Award Winners Vladimir Parfenov, Roman Elizarov, and the St. Petersburg ITMO team and the great people of the Northeastern European Regional Contest who have expanded the ICPC from Karelia to the Pacific Ocean. Think about the patient, thoughtful manner in which Measures Award Winner Roy Anderson and his friends have given life to competitions that stretch from the North Sea to the Arctic Circle.

Here, among majestic lakes and Nordic legend, where explorers of old began their journeys wrapped in the perils of an angry sea and an untamed land; here, the home of the Nordic spirit that celebrates peace and prosperity; here, in Sweden, in Stockholm, in Town Hall, let us draw from that strength and purpose as we celebrate the opportunities before us.

KTH has made ready an extraordinary World Finals experience. So, let’s look forward to an outstanding World Finals forged in the crucible of judges’ problems and the energy of the finest 100 teams ever to compete in the World Finals.

Best Wishes!

William B. Poucher, Ph.D., ACM Fellow
ICPC Executive Director
Congratulations – you made it!

Here we are at the 33rd 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 Stockholm, Sweden, world-renowned for its beautiful scenery and expansive waterways. We hope you will have some time to explore the local landmarks and experience a bit of Swedish culture.

All of you have worked very hard to prepare for this year’s World Finals competition. Whether you’re a contestant, coach, regional contest or site director, participant, or volunteer, I commend you for your commitment, dedication, and hard work. The ICPC, IBM, and KTH teams have also been very hard at work planning all of the details of these next few days of excitement and competition. We are thrilled to be sharing this time with you.

We hope you will take full advantage of meeting and networking with the other participants here from all over the world. You’ll have plenty of opportunities to do so over the coming days. Many long-lasting friendships have begun at the ICPC World Finals; we hope you will continue this tradition.

To our competitors – the ACM-ICPC World Finals is a gathering of the world’s brightest young programmers, and you should be very proud to be a part of this group. We look forward to spending time with you at the many fun activities that are being planned. Of course the highlight for me, and for all my IBM colleagues, will be the main event – watching you compete on the international stage on Tuesday.

Some highlights of our hosted activities this week include:

• IBM Welcome (Saturday evening) – Join us for some food and mingling.
• IBM TechTrek/Excursion (Sunday) – We’re taking a trek to Vaxholm’s Fortress where we have an interactive program for the contestants and coaches that will focus on technology, innovation, creativity, team building and fun! Our other guests will take a more relaxed view of exploring Stockholm’s famous Vasa Museum, followed by a luncheon and free time either to catch up with old friends or to explore the city.
• IBM Technology Showcase (Monday) – Come out and see what IBM is doing to help build a Smarter Planet; you’ll see innovative and creative technologies and solutions that are helping to change our world.
• CyberCafe (Monday evening) – Want to eat, play games, check out your email, and just hang out? This is the place to be on Monday night – see you there!
• ICPC Celebration! Hosted by IBM (Tuesday) – The details of the post-contest celebration are kept a surprise.

But I can guarantee that you won’t want to miss it!

After months of preparation, the 2009 ACM-ICPC World Finals is finally here! Be proud of what you have already accomplished. The memories that you will make during this exciting and momentous week will remain with you forever.

Best of luck!

Doug Heintzman
ACM-ICPC Sponsoring Executive
Director of Strategy, Lotus Software
IBM Software Group

Greetings from IBM
Greetings from Upsilon Pi Epsilon

Message from Upsilon Pi Epsilon.

GREETINGS! After 32 years, the ICPC competition continues to thrive, get much more competitive, and is now globally recognized by the computing community as the main stage for the best and brightest students in the art and science of programming.

We all know that you each have one primary goal this week – to become the ICPC Champion for 2009. However, we also wish for you to look beyond this event in Stockholm. UPE wishes to relay a simple message to the 300+ students represented in this year’s event who represent the most prestigious colleges and universities on earth. No doubt the members of your team are exceptionally gifted to have made it through the local and regional competitions. As such, we wish for you to stay focused after you complete your studies - that you maintain your competitive spirit as you strive to join the world’s future technology experts and researchers for the computing and information disciplines. We hope that your contributions to our profession or your other scientific endeavors will result in a much better world for all of humankind.

Finally, UPE wishes to encourage each of you to take the time to meet all of the ICPC participants, get to know someone from each team, exchange email addresses and stay in touch with each other after you return to your home country.

Sincerely,

Orlando Madrigal, Ph.D.
Executive Director
Upsilon Pi Epsilon

http://www.upsilonpiepsilon.org
Greetings from ACM!

Welcome to the 33rd Annual ACM International Collegiate Programming Contest World Finals. ACM is extremely proud to participate in the life of the ICPC community.

We also welcome you to ACM. We are pleased to continue free student memberships to all student participants in the ICPC, with the highest privileges given to you, the 2009 World Finalists.

I share one thing with many of you. This is my first World Finals, too! I can’t wait to meet you and experience the vitality of the final round of this global event.

I would like to express our gratitude to KTH – Royal Institute of Technology for hosting this year’s fabulous event. Year in and year out Baylor University is home to ICPC Headquarters. Thanks to the Baylor team that makes every year a better one. Thanks to UPE for serving the ICPC community since its inception.

Thanks to all of the industry supporters and sponsors. A special thanks goes to IBM for its long-term commitment to the ICPC and the global community. The growth of the ICPC has been fueled by your commitment to global opportunity for students.

I wish you all good fortune in the days ahead, both here at the World Finals and as your career unfolds. Join the computer scientists, engineers, innovators, and inventors who have made ACM part of their career since the industry first emerged. You will be glad you did.

Best Wishes!

Dame Wendy Hall
ACM President
Welcome to Stockholm!

Welcome to the 33rd Annual ACM International Collegiate Programming Contest World Finals! In the presence of so many Nobel venues, where better than Stockholm to shine the spotlight on the top 100 teams from 1,838 universities on six continents? KTH - Royal Institute of Technology has set a new global standard in hosting the World Finals.

Baylor has hosted ICPC Headquarters for over two decades. Partnering with IBM, ACM, and UPE, we are pleased to do our part helping you, the students, the coaches, and your mentors, bring the next generation of computer scientists and engineers to global prominence.

Best wishes to the Top 100. You are competing with the best. And, our prospects for a brighter future will be all the stronger for it.

Elizabeth Davis
Interim Provost
Baylor University
Stockholm, Sweden

On behalf of KTH, the Royal Institute of Technology, I am delighted to welcome you all to the 33rd Annual World Finals of the ACM (Association for Computing Machinery) International Collegiate Programming Contest, ICPC, and to the beautiful city of Stockholm.

I am proud that KTH is hosting this competition; it’s a credit to the outstanding level of commitment KTH students are prepared to make - and a reflection of a KTH student culture that values engagement. Undergraduate and graduate students have been the driving force behind KTH’s participation and successes in previous competitions and the 2009 finals are arranged in their entirety by our students in cooperation with IBM, ACM and UPE. The outstanding work done by the organizing committee is greatly appreciated and I send sincere thanks to IBM, ACM and UPE for THEIR invaluable support.

KTH has always been in the forefront of emerging technologies. Our main campus houses Sweden’s first nuclear reactor and it was also the site for Sweden’s first TV broadcast. At the 2009 Finals we will introduce an extension of this broadcast - ICPC Live. This will be the first time the competition has been available for anyone in the world to watch via the Internet.

KTH is honoured to host so many brilliant students from across the globe. Congratulations to all the 2009 finalists, you are the best of the best and reaching the finals is an extraordinary achievement. I hope these days at KTH will give you lots of good memories to bring home.

From all of us at KTH, staff and students, I give you our best wishes - “lycka till”!

Peter Gudmundson
President
KTH Royal Institute of Technology
Welcome to the 33rd ACM ICPC World finals!

It is an honor for us to host this prestigious event at the School of Computer Science and Communication in Stockholm, Sweden.

KTH CSC is one of nine schools at KTH and we offer Master of Engineering programs in Computer Science and in Media Technology. We are proud to develop our programs and courses together with the students and they are open to English speaking students from all over the world. Our research spans over mathematics, computer science, computational sciences, human computer interaction, media technology, robotics, scientific computing, and speech and music technologies. The school hosts national supercomputer resources available to students and researchers.

I do remember for more then 40 years ago when I as a student in numerical analysis struggled to program the BESK, Binary Electronic Sequence Calculator, for a few months the fastest computer in the world. We used big computers to solve small problems. Since then, the IT development has dramatically changed the world: Nowadays I have no time to program myself but students such as you perform impressive feats of solving big problems with small computers.

You have come a long way to win a place in the World Finals and are of course focused on the competition. But don’t miss the other opportunities that present themselves when so many brilliant young people get together. See what Stockholm can offer and make IRL connections. Start building your future professional and social network in a beautiful city with friendly people, clean water, historical buildings and culture mixed with fresh activities.

We are excited to see you all at KTH and shall do our best to make your stay memorable. May the best team win!

Ingrid Melinder
Dean
School of Computer Science and Communication
KTH Royal Institute of Technology
Greetings from the World Finals Director

The End and The Beginning

Finally! You’re here!

At last, it’s time for the 2009 ACM ICPC World Finals! This week marks the end of a long journey. I imagine that you, dear contestants, have behind you not only a tiring trip (that in some cases may have taken you literally to the other side of the planet), not only the great challenge of a regional contest, but a long, long time of preparation. For all of you, this week is the culmination of, and the reward for, a lot of hard work. You have had to earn your place here, and you most surely deserve it.

For me, and the rest of the World Finals team, the situation is similar. We have spent the last few years preparing, doing our best to make this the best World Finals ever, and an experience of a lifetime for all of you. And now we’re here. At last, our common journey is at an end.

But that isn’t the full picture. This week is not only – not even mainly – The End. More than anything, it is a beginning. Because, believe me, in many ways your journey has barely just started.

During the coming days, you will have the chance to meet hundreds of fascinating people from every corner of the globe, to find new friends and to create lasting bonds. You will face one of your greatest intellectual challenges yet. And, if previous World Finals are any indication, you will have a lot of fun.

But that’s not all. I believe that you will leave Stockholm as changed individuals. Because from now on you will know, no matter what your result in the contest, that just by making it here, you have proven that you are among the best of the best of the entire world at what you do. Doors will open and possibilities will present themselves. Sometimes because others recognize the scale of your achievement, sometimes simply because you know that you are a winner, and that whatever the challenge, you can do it. You can solve that problem, you can get that job, you can fulfill your dreams.

Or you can just do what I did, going home from my first ACM ICPC World Finals, seven years ago. You can think: “Wow, this was cool. I want to organize this contest some day.” And then you can do it. Because for all of you – this is just The Beginning.

Welcome!

Fredrik Niemelä
Contest Director
Greetings from Government

Stockholm, Sweden

Learning new languages has always fascinated me.

The knowledge of a new language creates for me a widened space of communication. Also, any language in itself forces you to structure your thoughts. Often when I write or give a speech I find new ways of thinking about problems.

You have come to Sweden to solve problems by "programming" a language and also to compete with other teams from countries all over the world in "programming". As University Chancellor of Sweden I am very proud to welcome all of you to Stockholm. You should know that what is most important is participating and learning. There is no way of learning better than to compete with equals sharing one's interest: in music, in performing, in athletics or of course in programming.

I wish you the best of luck.

Anders Flodström
University Chancellor of Sweden
2009 Awards
ICPC Host Awards

Walking around Old Town

The 2009 UPE Distinguished International Service Award

The 2009 UPE Outstanding International Service Award

The Thirty-third Annual ACM Programming Contest sponsored by IBM

The 2009 UPE Distinguished International Service Award
Presented to KTH - Royal Institute of Technology School of Computer Science and Communication
in honor of the university’s accomplishment by her teams, by hosting regional contests, and culminating as University Host of The 2009 World Finals of the ACM International Collegiate Programming Contest

- The UPE Distinguished 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.

- 19 April 2009
Stockholm

The Thirty-third Annual ACM Programming Contest sponsored by IBM

The 2009 UPE Outstanding International Service Award
Presented to Baylor University Computer Science
in appreciation for distinguished service to the world’s universities by hosting the ICPC Headquarters and for extraordinary support for the

2009 ACM-ICPC World Finals

- 19 April 2009
Stockholm
2009 Awards
Coach Award

Coach Award
presented to
Wenhu Wu
Tsinghua University

Xiaojun Wu
Tsinghua University

Krzysztof Diks
University of Warsaw

Martin Rinard
Massachusetts Institute of Technology

19 April 2009
Stockholm
The Thirty-third Annual ACM International Collegiate Programming Contest

- The 2009 Mark Measures Distinguished Service Award

Presented to
Roy Andersson
Lund University

for outstanding service to the ICPC since 1990, serving as coach, judge, director, and mentor to one and all in the Nordic ICPC community.

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

- 19 April 2009
Stockholm

2009 Awards
The Mark Measures Award

Roy Andersson, Assistant Professor of Computer Science and Academic Developer at Lund University, has championed ICPC Growth in Nordic countries since 1990.

He has served in various roles as coach, judge, site director, and regional director. Day in and day out, Roy Anderson has mentored the Nordic volunteer community as they have expanded ICPC participation from the North Sea to the Arctic Circle.

Affectionately known as the “Father of the Nordic Contest”, Roy has opened the door of opportunity for thousands of students and faculty while raising the bar of global competition – with a kind word, a gentle heart, and a helping hand.
The Thirty-third Annual ACM International Collegiate Programming Contest
sponsored by IBM

The 2009 Joseph S. DeBlasi Outstanding Contribution Award

Presented to
St. Petersburg State University of Information Technologies, Mechanics, and Optics
Vladimir Parfenov, Director
Roman Elizarov, Chief Judge
Vladimir Vasiliev, Rector

and the core team of SPb ITMO volunteers for establishing the ICPC NEERC tiered contest spanning from Eastern Europe to the Pacific Ocean, including the Russian Federation.

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

19 April 2009
Stockholm
World Finals Activities

Welcome to Stockholm
– Volunteers from KTH – Royal Institute of Technology will be on hand to assist in making travel arrangements from Arlanda Airport to the contest hotels. Participants are responsible for their own costs for local travel.

Team Registration
– All teams and coaches must present themselves for registration at the time selected by appointment. Registration is provided by UPE, whose representatives certify that team paperwork and notebooks comply with ICPC rules. In addition, UPE honors each team with $300. Teams from schools with UPE chapters receive an additional $450.

IBM Welcome
– This event features dinner and a chance to get to know the participants of the ACM-ICPC.

IBM TechTrek
– IBM’s innovators lead the industry in developing interesting and important technology for the world’s needs. This event will include presentations on some fascinating IBM projects. Attendance is required for teams and coaches.

IBM RCD and Staff Excursion
– IBM invites you to a luncheon followed by a trip into Stockholm’s defensive history with an excursion to Museet Vasa, home of a salvaged warship that sank in 1628.

Opening Ceremony
– This required event recognizes some of the hundreds of volunteers who have worked to make this year’s World Finals a reality, and represents the first public introduction of this year’s World Finals contestants – the best of the best collegiate programmers.

IBM Technology Showcase
– Between Contest Orientation and Practice Contest, come meet some of the bright minds who work for IBM and see what the company is doing to help create a smarter planet.

UPE Dinner Reception
– This event, hosted by IBM, features dinner and an evening of fun and interaction.

Cyber Café
– Located in the Vinterträdgården (Grand Hotel), the Cyber Café hosted by IBM will be open on Saturday and Monday evenings. IBM welcomes World Finals participants to enjoy good food, activities and hands-on fun.

World Finals
– The time has come. One hundred teams from six continents battle in a five-hour competition to see who takes home this year’s prizes, accolades and bragging rights as the top collegiate programmers in the world.

Closing Ceremony
– This required event will be held in the Stockholm Concert Hall (Konserthuset), where the Nobel Prizes are awarded each year. It is a very fitting place to crown the ACM-ICPC World Champions and medal winners!

ICPC Celebration
– The place and activities are always a mystery. But the end result is always a phenomenally fun time for contestants and volunteers alike, hosted by ACM-ICPC sponsor IBM.
Vaxholm’s Fortress

The village of Vaxholm is situated in the archipelago, along the main sea route from the Baltic sea to Stockholm. To defend the city the first fortification was built on a nearby small island 500 years ago. During the centuries it grew bigger and bigger and became the strategic defence fort we today call Vaxholms fästning, Vaxholm’s Fortress.

Today Vaxholm’s Fortress houses the Swedish National Museum of Coastal Defence. It is also a popular place for conferences and dinner parties. Two to three hundreded years ago the castle was also used as a prison and one of the many activities Vaxholm’s Fortress offers is “The prisoners at the castellum”. Locked in the labyrinths of the castle your team will get a map to find your way. On the way you will be faced with different challenges, problems to solve with your brains and with your bodies, as fast as possible to win over the other teams.

Vasa Museum

The years was 1628. It was a nice August day and the warship Vasa was going on her maiden voyage. Less than two kilometers from the harbour the ship sank. The ship was going to be the most impressive Swedish warship of its time and therefore an extra gun deck had been added. This resulted in instability and with too little ballast when she set sail the catastrophe was a fact.

After some failed attempts so raise the ship the ship was forgotten. It was not until 1961 that the Vasa broke the surface of the sea again, damaged but there for a whole world to see after 333 years on the bottom of the sea. Today the Vasa has her new home only a few hundreded meters from where she had been resting for so long. Every year almost 1.5 million people visit the museum, one of Stockholm’s most popular tourist attractions.
Stockholm City Hall

On the island of Kungsholmen, just a few hundred meters north east of the Old Town, the Parliament and the Royal Palace, you will find the Stockholm City Hall. The building was inaugurated in 1923 after twelve years of construction. The City Hall is one of the most famous landmarks in Sweden and houses the Municipal Council of the city of Stockholm. Internationally the City Hall is most famous for housing the Nobel banquette on December 10 every year.

The architect Ragnar Östberg constructed three big beautiful halls in the City Hall. In Rådssalen the Municipal Council holds their meetings. The large hall for festivities and official receptions is called Blå Hallen, the Blue Hall. In the original drawing the walls was intended to be blue, but Östberg changed his mind when he saw the beautiful red bricks. The Blue Hall also houses the largest organ in Scandinavia, 10'271 pipes. On the floor above the Blue Hall you will find Gyllene Salen, the Golden Hall. Its walls are covered with 18.6 million gold and glass tiles. The mosaic shows scenes from the Swedish history.

On top of the City Hall tower you will find the three crowns. Since at least the 14th century the three crowns has been the main symbol for the kingdom of Sweden. You can find the three crowns on the Coat of Arms of Sweden, many national sports teams and all Swedish embassies around the world. The three crowns on top of the City Hall spans over eight meters, and each of the crowns are 2.2 meters wide.

Concert Hall

The nordic classicism, Swedish grace, in the 1920s gave birth to many nice and beautiful buildings in Stockholm. One of those is the Concert Hall, situated right next to Hötorget, the Haymarket. The blue building was designed by the architect Ivar Tengbom and inaugurated in 1926. Ever since then the Concert Hall has been the place were brilliant scientists and authors have received their medals and honors at the Nobel Prize Award Ceremony.

The Concert Hall has one large concert hall and a small concert hall, called Grünewaldsalen. The Grünewald Hall is named after the painter Isaac Grünewald who designed a lot of the interior for this hall. Outside the Concert Hall you will meet another famous Swedish artist, the sculpturer Carl Milles. The Orpheur Group shows Orpheus surrounded by eight figures floating on water. The sculpture was designed to match the Concert Hall.
Explore Stockholm

Stockholm; discover a city like no other - a city built on 14 islands, where you are never far from the water. Well-preserved medieval buildings stand alongside modern architecture. Just outside the city, the archipelago of 24 000 islands is waiting to be explored. Stockholm is a city of water and islands, history and innovation, small town and big city, short winter days and long summer nights when the sun barely sets – with a dazzling array of impressions. Thanks to the city’s compact size, you can see and do most things in a short space of time.

Three hours of Stockholm

Stockholm is one third water, one third green belt and one third city. Just choose what you want to do of your free time. Here are some suggestions.

Water

 Everywhere you go you will find water. Try it. It is clean enough to taste (even though you should not be right next to a boat).

 Do you want to enjoy the water? Take the metro to Slussen. After walking towards the Old Town you will, after 100 meters, find the boats to Djurgården on your right hand side. The boats take about 15 minutes and you will end up close to the amusement park Gröna Lund. Then just walk north, with the water on your left hand side. Enjoy the views of the beautiful houses, museums, trees and boats. Before you know it you will be close to your hotel.

Not far from the hotels, south of the Grand and the Strand, you will find the small island Skeppsholmen. It is perfect for a walk, no risk of getting lost. Buy yourself an ice-cream and walk around the island and enjoy the view. On Skeppsholmen you can also find the Modern Museum and the East Asian Museum.

Green areas

Everywhere in Stockholm you will find green parks or even woods. From KTH you can take bus 4 to Radihuset and you will end up on Djurgården. There you can walk around and enjoy the “world’s” first National City Park.

Another nice green place is the island of Långholmen. If you take the metro to Hornstull, or the bus 4 (heading for Gullmarsplan) from KTH to Högalidsgatan, only a hundred meters north you will find the island that used to house one of “Sweden’s” most notorious prisons. Today the prison is a hotel and hostel. Walk around the island, along the water, in the woods, and up on the small hill, and enjoy one of the best and most beautiful views of Stockholm.

City

Discover a city of contrasts. Go back 750 years in time and feel the atmosphere of the Old Town “Gamla Stan” as you wander through the narrow streets. Take the metro to Gamla Stan and you will see beautiful buildings, churches and the Royal Palace. In the old town you will find many nice and cozy cafés where you can sit down and get a taste of the medieval Stockholm.

If being a real tourist means shopping to you, then the streets around Sergels Torg are right for you. After arriving at the metro station T-centralen you head for the Sergels Torg exit and you will not have any problem to find shops that suit you.
Hotels

Grand Hôtel
Grand Hôtel Stockholm dates back to 1874 and occupies a prime position on the city’s waterfront, with a view of the Royal Palace, the Parliament and the Old Town. Since 1901, the Nobel Prize laureates and their families have all been guests of Grand Hôtel and the list of royalty, heads of state and artists who have stayed is impressive.

The hotel has 374 rooms ranging from normal single rooms, via deluxe business rooms to three fantastic suites. The hotel’s interiors have been designated as a “Swedish National Treasure”, notably the Hall of Mirrors and the Winter Garden. The hotel also houses the top restaurant the Veranda.

Radisson SAS Strand Hotel
The Radisson SAS was founded by Julius Grönlund and Albert Köhl, formerly the Maitre Di and Head Chef of the Grand Hôtel. It opened in time for the Stockholm Olympic Games of 1912.

The hotel overlooks the beautiful Nybroviken, and is situated right across the bay from the Royal Dramatic Theatre. The 152 rooms are a unique mix of contemporary and classic design, and the wonderful two floor Tower Suite overlooks the whole city center.

Hotel Diplomat
Hotel Diplomat is situated on Stockholms fashionable boulevard Strandvägen along the waterline to the park Royal Djurgården. The hotel building, finished in 1914, is in Art Nouveau style, and was originally a residential building. During the Great Depression it housed the embassies of Canada, Iran and Romania. Since the 1960s it has been a hotel, and currently has 130 rooms.

The Hotel Diplomat promotes Swedish art and culture, the hotel houses a large collection of Swedish art and the lounge on the mezzanine floor is frequently used for exhibitions of contemporary artists.
## Schedule of Events

### Attendance:
- * Required Team Attendance
  - Team: contestants
  - Coach: on-site coach
  - Coach++: all coaching staff
  - Team++: contestants, coaches, team guests

### Saturday April 18th

<table>
<thead>
<tr>
<th>Start - End</th>
<th>Description</th>
<th>Location</th>
<th>Attendees</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 am - 9:00 am</td>
<td>RCD and CLI Symposia Registration &amp; Breakfast Registration and Opening</td>
<td>Vapensalen/Specgelsalen (Hall of Weapons/Hall of Mirrors) Grand Hotel</td>
<td>Symposia Attendees</td>
</tr>
<tr>
<td></td>
<td>By invitation. courtesy of KTH</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9:00 am - 6:00 pm</td>
<td>RCD and CLI Symposia</td>
<td>Bolinder 1</td>
<td>Symposia Attendees</td>
</tr>
<tr>
<td></td>
<td>By invitation.</td>
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</tr>
<tr>
<td>Noon - 1:30 pm</td>
<td>Volunteer Appreciation Luncheon</td>
<td>Vapensalen/Specgelsalen</td>
<td>By invitation</td>
</tr>
<tr>
<td></td>
<td>By invitation. courtesy of IBM</td>
<td>Grand Hotel</td>
<td></td>
</tr>
<tr>
<td>6:00 pm -10:00 pm</td>
<td>ICPC Team Registration</td>
<td>Vinterträdgården (Winter Garden)</td>
<td>Team++</td>
</tr>
<tr>
<td></td>
<td>Team Notebook Initial Inspection is performed.</td>
<td>Street Entrance</td>
<td></td>
</tr>
<tr>
<td>6:00 pm -11:00 pm</td>
<td>IBM Welcomes the Attendees (come and go)</td>
<td>Vinterträdgården</td>
<td>All Attendees</td>
</tr>
</tbody>
</table>
## Schedule of Events

### Sunday April 19th

<table>
<thead>
<tr>
<th>Start - End</th>
<th>Description</th>
<th>Location</th>
<th>Attendees</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:30 am - 8:30 am</td>
<td>Breakfast Course of KTH</td>
<td>at your hotel</td>
<td>Inc. with Room</td>
</tr>
<tr>
<td>8:00 am - 3:00 am*</td>
<td>IBM TechTrek &amp; Vaxholm’s Fortress Excursion</td>
<td>Vaxholm’s Fortress</td>
<td>Team++</td>
</tr>
<tr>
<td>8:00 am - 8:30 pm*</td>
<td>Transportation to TechTrek</td>
<td>departs from ICPC Hotel Bus Stop</td>
<td></td>
</tr>
<tr>
<td>11:30 am - 3:00 am</td>
<td>IBM Luncheon &amp; Vasa Museum Excursion</td>
<td>Vapensalen/Spegealsalen</td>
<td>Symposia Attendees, ICPC Staff, Other Badged Guests</td>
</tr>
<tr>
<td>11:30 am - 12:30 pm</td>
<td>Luncheon at the Grand Hôtel Stockholm</td>
<td>Grand Hôtel</td>
<td>ICPC Staff, Other Badged Guests</td>
</tr>
<tr>
<td>12:30 pm - 1:00 pm</td>
<td>Transportation to Vasa Museum departs from ICPC Hotel Bus Stop</td>
<td></td>
<td>All with Badges</td>
</tr>
<tr>
<td>4:30 pm - 5:00 pm*</td>
<td>Walking Tour to City Hall</td>
<td>meet at your hotel lobby</td>
<td>All with Badges</td>
</tr>
<tr>
<td>4:15 pm - 4:30 pm</td>
<td>Meet your KTH guide at your hotel lobby</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5:30 pm - 7:30 pm*</td>
<td>Opening Ceremony</td>
<td>City Hall of Stockholm</td>
<td>All with Badges</td>
</tr>
<tr>
<td></td>
<td>- No one may enter once the program has begun.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Spectators are pre-seated</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Coaches and teams enter down stairway, Team Photo Taken</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Dress is business or business casual.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7:30 pm - 9:00 pm*</td>
<td>KTH Opening Dinner</td>
<td>City Hall of Stockholm Golden Hall</td>
<td>All with Badges</td>
</tr>
</tbody>
</table>

### Monday April 20th

<table>
<thead>
<tr>
<th>Start - End</th>
<th>Description</th>
<th>Location</th>
<th>Attendees</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:30 am - 8:30 am</td>
<td>Breakfast Course of KTH</td>
<td>at your hotel</td>
<td>Inc. with Room</td>
</tr>
</tbody>
</table>
## Schedule of Events

<table>
<thead>
<tr>
<th>Start - End</th>
<th>Description</th>
<th>Location</th>
<th>Attendees</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00 am - 8:30 am</td>
<td>Transportation to KTH Campus</td>
<td>ICPC Hotel Bus Stop</td>
<td>All with Badges</td>
</tr>
<tr>
<td>9:00 am - 4:00 pm</td>
<td>CLI Symposium II</td>
<td>KTH Main Building</td>
<td>Symposium Attendees</td>
</tr>
</tbody>
</table>
| 9:00 am - 11:00 am| ICPCLive Preview  
Watch the World Finals Orientation                                            | KTH Student Union | All with Badges                |
| 9:30 am - 11:00 am| Contest Orientation  
Teams wear ICPC T-Shirts  
No Food or Drinks please  
Team photos are taken with coach | KTH Library       | Teams and On-site Coach         |
| 11:00 am - 1:00 pm| IBM Technology Showcase                                                     | KTH Student Union | All with Badges                |
| 11:00 am - 1:00 pm| ICPC Challenge Tournament with Lunch  
courtesy of KTH                                                             | KTH Student Union | All with Badges                |
| 1:00 pm - 4:00 pm | IBM Technology Showcase                                                     | KTH Student Union | Public                         |
| 1:00 pm - 1:30 pm | Answers to Practice Session Questions                                         | KTH, F1 Auditorium| Team++                         |
| 1:45 pm - 4:00 pm | ICPCLive Coverage of the Practice Contest  
Watch the World Finals Orientation                                            | KTH Student Union | Public                         |
| 1:45 pm - 4:00 pm | Practice Contest  
Dress Rehearsal for the 2009 ACM-ICPC World Finals  
- 1:45PM - On-Site Coaches enter balcony  
- 1:45PM - Contestants prepare to enter the Contest Area  
Teams wear ICPC T-Shirts  
- No Food or Drinks Please  
Teams leave Notebooks at workstations at end of contest | KTH Library       | Teams On-Site Coaches           |
| 2:30 pm - 3:30 pm | Guided Tours: Visit the Practice Contest  
leave from KTH Student Union                                                 | KTH Student Union | All with Badges                |
| 2:30 pm - 3:30 pm | Coaches meet with ICPC Executive Director                                    | KTH, E1 Auditorium| All Coaches                    |
| 4:00 pm - 7:00 pm | Free Time (shuttle or KTH escort to hotel)                                   |                   |                                |
| 4:15 pm - 5:30 pm | IBM Technology, A Smarter Planet  
Keynote by Doug Heintzman                                                     | KTH, F1 Auditorium| KTH and Public                 |
| 7:00 pm - 8:30 pm | UPE Dinner Reception                                                         | Vinterträdgården   | All with Badges                |
| 7:00 pm - 10:00 pm| CyberCafé - come and go  
both courtesy of IBM                                                            | Grand Hotel Stockholm|                                |
## Schedule of Events

### Tuesday April 21th

<table>
<thead>
<tr>
<th>Start - End</th>
<th>Description</th>
<th>Location</th>
<th>Attendees</th>
</tr>
</thead>
</table>
| 6:30 am - 8:30 am | Breakfast  
                    Courtesy of KTH                                            | at your hotel          | Inc. with Room             |
| 7:00 am - 8:30 am | Transportation to KTH Campus                                               | ICPC Hotel Bus Stop    | All with Badges            |
| 9:00 am - 3:00 pm | ICPCLive Coverage  
                    Watch the World Finals and have some fun!                        | KTH Student Union      | Public                     |
| 9:00 am - 3:00 pm | 2009 ACM-ICPC World Finals  
                    - 9:00 AM - On-Site Coaches enter balcony.  
                    - 9:15 AM - Contestants prepare to enter  
                    - 9:30 AM - Contestants enter the Contest Area  
                    Teams wear ICPC T-Shirts - Notebooks are at their workstations. | KTH Library            | Teams  
                    On-Site Coaches                                      |
| 10:30 am - 2:30 pm | Guided Tours  
                       Visit the Contest Area  
                       Coaches Appreciation Luncheon  
                       courtesy of KTH                      | leave from KTH Student Union | All with Badges             |
| 12:00 pm - 1:00 pm | ICPCLive Wrap-up  
                       Watch the results unfold  
                       Preliminary medalists and Champs revealed | KTH Student Union & KTH Library | All with Badges             |
| 4:00 pm - 4:30 pm | Transportation to Hotel                                                   | ICPC KTH Bus Stop      | All with Badges            |
| 5:00 pm - 5:30 pm | Transportation to Concert Hall                                            | ICPC Hotel Bus Stop    | All with Badges            |
| 6:00 pm - 7:30 pm | ACM-ICPC World Finals Award Ceremony                                      | Concert Hall           | Public                     |
| 7:30 pm - 11:30 pm | World Finals Celebration  
                       courtesy of IBM                                                   | TBA                    | All with Badges            |

### Wednesday April 22th

<table>
<thead>
<tr>
<th>Start - End</th>
<th>Description</th>
<th>Location</th>
<th>Attendees</th>
</tr>
</thead>
</table>
| 6:30 am - 8:30 am | Breakfast  
                    Courtesy of KTH                                            | at your hotel          | Inc. with Room             |
| by Noon         | Teams checkout from hotel                                                   | at your hotel          | All with Badges            |
About the World Finals

For a well-versed computer science student, some problems require precision only. Others require 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. To summarize ACM-ICPC in one phrase, it is the oldest, largest and most prestigious programming contest in the world.

Battle of the Brains

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.

History

The ICPC traces its roots to a competition held at 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 computer 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 in Waco, Texas, since 1989, the contest has expanded into a global network of universities hosting regional competitions that advance teams to the ACM-ICPC World Finals.

Contest Growth

Since IBM became sponsor in 1997, the contest has increased by a factor of eight. Participation has grown to involve several tens of thousands of the finest students and faculty in computing disciplines at 1838 universities in 88 countries at 240 sites for a spot in the 2009 World Finals.

Levels of Competition

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

Regional contests were held from September to December 2008. Participation was at an all-time high with 7,109 teams, a 6.1 percent increase from the previous year.

Host

This year, KTH – Royal Institute of Technology is hosting the World Finals and has invited the top 100 teams and participants to Stockholm, their beautiful city of islands and water. KTH is excited to provide ICPC Live, the first ‘live’ coverage of the World Finals.
### ACM International Collegiate Programming Contest

<table>
<thead>
<tr>
<th>Year</th>
<th>Teams</th>
<th>Universities</th>
<th>Sites</th>
<th>Teams</th>
<th>Sponsor</th>
</tr>
</thead>
<tbody>
<tr>
<td>1989</td>
<td>~400</td>
<td>~308</td>
<td>12</td>
<td>25</td>
<td>SigBoard, Apple</td>
</tr>
<tr>
<td>1990</td>
<td>459</td>
<td>354</td>
<td>12</td>
<td>24</td>
<td>AT&amp;T</td>
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<tr>
<td>1991</td>
<td>~500</td>
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<td>25</td>
<td>AT&amp;T</td>
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<tr>
<td>1992</td>
<td>~600</td>
<td>~400</td>
<td>13</td>
<td>30</td>
<td>AT&amp;T</td>
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<tr>
<td>1993</td>
<td>~600</td>
<td>~400</td>
<td>15</td>
<td>31</td>
<td>AT&amp;T</td>
</tr>
<tr>
<td>1994</td>
<td>628</td>
<td>~419</td>
<td>16</td>
<td>35</td>
<td>Microsoft</td>
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<tr>
<td>1995</td>
<td>780</td>
<td>~520</td>
<td>~22</td>
<td>38</td>
<td>Microsoft</td>
</tr>
<tr>
<td>1996</td>
<td>800</td>
<td>~533</td>
<td>~27</td>
<td>43</td>
<td>Microsoft</td>
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<tr>
<td>1997</td>
<td>840</td>
<td>~560</td>
<td>~34</td>
<td>50</td>
<td>Microsoft</td>
</tr>
<tr>
<td>1998</td>
<td>1038</td>
<td>~692</td>
<td>49</td>
<td>54</td>
<td>IBM</td>
</tr>
<tr>
<td>1999</td>
<td>1456</td>
<td>839</td>
<td>63</td>
<td>62</td>
<td>IBM</td>
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<tr>
<td>2000</td>
<td>1968</td>
<td>1044</td>
<td>82</td>
<td>60</td>
<td>IBM</td>
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<td>2001</td>
<td>2160</td>
<td>1079</td>
<td>89</td>
<td>64</td>
<td>IBM</td>
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<tr>
<td>2002</td>
<td>2362</td>
<td>1141</td>
<td>94</td>
<td>64</td>
<td>IBM</td>
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<td>2003</td>
<td>2873</td>
<td>1329</td>
<td>106</td>
<td>70</td>
<td>IBM</td>
</tr>
<tr>
<td>2004</td>
<td>3150</td>
<td>1412</td>
<td>127</td>
<td>73</td>
<td>IBM</td>
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<tr>
<td>2005</td>
<td>4109</td>
<td>1582</td>
<td>144</td>
<td>78</td>
<td>IBM</td>
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<td>2006</td>
<td>5606</td>
<td>1737</td>
<td>183</td>
<td>83</td>
<td>IBM</td>
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<tr>
<td>2007</td>
<td>6099</td>
<td>1756</td>
<td>205</td>
<td>88</td>
<td>IBM</td>
</tr>
<tr>
<td>2008</td>
<td>6700</td>
<td>1821</td>
<td>213</td>
<td>100</td>
<td>IBM</td>
</tr>
<tr>
<td>2009</td>
<td>7109</td>
<td>1838</td>
<td>240</td>
<td>100</td>
<td>IBM</td>
</tr>
</tbody>
</table>

Not included are the hundreds of teams who competed in preliminary contests to qualify.

Note: Small discrepancies in old records are interpolated.
Recent Gold Medal Winners
In Order of Finish

2008
St. Petersburg University of IT, Mechanics and Optics (St. Petersburg, Russia)
Massachusetts Institute of Technology (Boston, USA)
Izhevsk State Technical University (Izhevsk, Russia)
Lviv National University (Lviv, Ukraine)

2007
Warsaw University (Warsaw, Poland)
Tsinghua University (Tsinghua, China)
St. Petersburg University of IT, Mechanics and 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
Shanghai Jiao Tong University (Shanghai, China)
Moscow State University (Moscow, Russia)
St. Petersburg Institute of Fine Mechanics and Optics (St. Petersburg, Russia)
University of Waterloo (Waterloo, Canada)

2004
St. Petersburg Institute for Fine Mechanics and Optics (St. Petersburg, Russia)
KTH - Royal Institute of Technology (Stockholm, Sweden)
Belarusian State University (Minsk, Belarus)
Perm State University (Perm, Russia)
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 less 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 less 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 conformance 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 Finals Director is responsible for the conducting of 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 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.
World Finals Rules for 2009

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 ACM, industry, and academia to encourage and focus public attention on the next generation of computing professionals as they pursue excellence. (from the ICPC Policies and Procedures)

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 September to December each year. The winning team from each Regional Contest advances to the ACM International Collegiate Programming Contest World Finals that is typically held in March or April. 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 Site
The World Finals will be held in Stockholm on Tuesday, April 21, 2009. Teams will arrive by Saturday, April 18, 2009 and depart on or after Wednesday, April 22, 2009. The Schedule of Events will be posted by December 15, 2008.

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. Contestants and registered student Team members will be provided free one-year memberships in ACM. No team member on the qualifying team may have competed as a contestant in 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 email and postal mail (if requested) soon after completing certification.

Qualifying teams requiring visas must initiate the process of applying for visas within ten (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 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 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 stationary with the
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 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.

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 be two separate sleeping rooms, with a third room for gender privacy if necessary. 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 World Finals team, plus an additional $450 to teams representing institutions with UPE chapters or who are in the process of establishing UPE chapters.

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.
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.

**Scoring of the 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. They are 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.

**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 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 in the Reference Materials section of the Programming Environment 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 Notebook Requirements. Details are provided at On-Site Registration Instructions.

**Contestant Conduct**
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.

**Policies and Procedures**
http://cm2prod.baylor.edu/
Africa and the Middle East

Arab Academy for Science and Technology
Team Name: AAST Seniors
- Ahmed M. Elhabashy, Coach
- Hesham Ali, Contestant
- Mostafa Ezzat ElBatsh, Contestant
- Ahmed Naguib, Contestant

German University in Cairo
Team Name: Muenchhausen Trilemma
- Slim Abdennadher, Coach
- Mohamed Abou Hamra, Contestant
- Abdallah El Guindy, Contestant
- Eslam Soliman, Contestant

University of Cape Town
Team Name: UCT inverted segfault
- James Gain, Coach
- Keegan Carruthers-Smith, Contestant
- Muhammad Saadiq Moolla, Contestant
- Max Rabkin, Contestant

Asia

Amirkabir University of Technology
Team Name: Balloons Keepers
- Hadi Moshayedi, Coach
- Golnaz Ghiasi, Contestant
- Aminreza Gholami, Contestant
- MohammadReza Khani, Contestant

Bangladesh University of Engineering and Technology
Team Name: BUET Falcon
- Mohammad Kaykobad, Coach
- Md. Mahbubul Hasan, Contestant
- Tanaeem M. Moosa, Contestant
- Shahriar Rouf, Contestant

Beijing Jiaotong University
Team Name: BJTU_ImBa
- Qingyong Li, Coach
- Simiu Gu, Contestant
- Tianyu Lou, Contestant
- Yongliang Wang, Contestant

Beijing University of Posts and Telecommunications
Team Name: Tracer
- Ming Fang, Coach
- Xiaohong Hao, Contestant
- Dingqian Hong, Contestant
- Min Xiang, Contestant

Bina Nusantara University
Team Name: Pandemonium
- Fredy Purnomo, Coach
- Gunawan Lie, Contestant
- Eko Mirhard, Contestant
- Eko Wibowo, Contestant

Chinese University of Hong Kong
Team Name: E++
- Lap Chi Lau, Coach
- Tsz Chiu Kwok, Contestant
- Kai Man Leung, Contestant
- Yue Hei Ng, Contestant

College of Technology, VNU Hanoi
Team Name: TheLastChance
- The Duy Bui, Coach
- Don Khue Le, Contestant
- Tu Nguyen Dinh, Contestant
- Viet Cuong Ta, Contestant

East China University of Science and Technology
Team Name: Kernel
- Yongjun Luo, Coach
- Qing Yin, Contestant
- Bo Yu, Contestant
- Chen Zhang, Contestant

Fudan University
Team Name: HyperHexagon
- Yonghui Wu, Coach
- Guodong Feng, Contestant
- Ji Hong, Contestant
- Lei Huang, Contestant

Huazhong University of Science & Technology
Team Name: SolarEclipse
- Wang Duoqiang, Coach
- Shen Fangyi, Contestant
- Wang Jianfeng, Contestant
- Meng Xiaohu, Contestant

Indian Institute of Information Technology and Management
Team Name: Brute Force
- Joydip Dhar, Coach
- Manyata Goyal, Contestant
- Shilp Gupta, Contestant
- Ashok Vijay, Contestant

International Institute of Information Technology - Hyderabad
Team Name: The King’s Gambit
- Vikram Pudi, Coach
- Gaurav Agarwal, Contestant
- Anshuman Singh, Contestant
- Ajay Somani, Contestant
Korea Advanced Institute of Science and Technology
Team Name: So Hot
- Offfried Cheong, Coach
- Taejin Chin, Contestant
- MinJae Hwang, Contestant
- YoungWoon Lee, Contestant

North South University
Team Name: NSU ARCTURUS
- Mohammad Kabir Hossain, Coach
- M. Mustafijur Rahman Faysal, Contestant
- Md. Ameer Hamza, Contestant
- Samee Zahur, Contestant

Peking University
Team Name: Eccentric
- Wei Guo, Coach
- Fenghong Chen, Contestant
- Yanqing Chen, Contestant
- Jing Wang, Contestant

Sichuan University
Team Name: Maximum-Coffee-X
- Takahiro Koh, Coach
- Eiichiro Iwata, Contestant
- Junichi Tamura, Contestant
- Hiroshi Watabe, Contestant

National Taiwan University
Team Name: Fill it please
- Pu-Jen Cheng, Coach
- Po-Lung Chen, Contestant
- Hsueh-Yi Chen, Contestant
- Ting Shen, Contestant

Seoul National University
Team Name: HP^3
- Jehee Lee, Coach
- Jongwook Choi, Contestant
- Jaeseung Ha, Contestant
- Doyoung Lee, Contestant

National University of Singapore
Team Name: NUSSOC1
- Sun-Teck Tan, Coach
- Minh Duc Ngo, Contestant
- Duc Phong Nguyen, Contestant
- Hoanh Tien Nguyen, Contestant

Shanghai Jiaotong University
Team Name: Carriage
- Yong Yu, Coach
- Mingchong Chen, Contestant
- Xiao Jiang, Contestant
- ZhuoJie Wu, Contestant

Sharif University of Technology
Team Name: Anaconda Tigers of SUT
- Kamran Bavar, Coach
- Nima Ahmadi-PourAnari, Contestant
- Aideen Nasiri-Shargh, Contestant
- Saeed Reza Seddighin, Contestant

Sichuan University
Team Name: WinWill
- Jie Zuo, Coach
- Gaowei Huang, Contestant
- Dongchen Wei, Contestant
- Qingbin Wang, Contestant

Tianjin University
Team Name: TIU_HanoiTower
- Ruiguo Yu, Coach
- Yuan Li, Contestant
- Chao Sun, Contestant
- Mingzi Zhang, Contestant

Tsinghua University
Team Name: Proxima
- Xiaojun Wu, Coach
- Tianchong Lou, Contestant
- Yuan Zhou, Contestant
- Zeyuan Zhu, Contestant

University of Aizu
Team Name: Watch.c
- Yutaka Watanobe, Coach
- Yuki Hirano, Contestant
- Takashi Tayama, Contestant
- Nobuyuki Wachi, Contestant

University of Dhaka
Team Name: DU - Dark Knights
- Syed Monowar Hossain, Coach
- Syed Zubair Hossain, Contestant
- Jane Alam Jan, Contestant
- Iqram Mahmud, Contestant
ICPC World Finals Stockholm
Team Roster

University of Hong Kong
Team Name: Far
- Reynold Cheng, Coach
- Yan Ting Hui, Contestant
- Yip Lik Yau, Contestant
- Kwong Hei Ng, Contestant

University of Tokyo
Team Name: HITORI++
- Tomoyuki Kaneko, Coach
- Yoichi Iwata, Contestant
- Masatoshi Kitagawa, Contestant
- Song Gi Yang, Contestant

Wuhan University
Team Name: ChaeYeon
- Wenyong Dong, Coach
- Hanqing Cui, Contestant
- Yunxiang Gao, Contestant
- Yang Yang, Contestant

Zhejiang University
Team Name: Zodiac
- Can Wang, Coach
- Hang Hang, Contestant
- Zefan Wu, Contestant
- Dong Xiao, Contestant

Zhejiang University of Technology
Team Name: Saigo
- Xianzhong Tian, Coach
- Yibo Chen, Contestant
- Yue Wang, Contestant
- Tianjing Xu, Contestant

Zhongshan (Sun Yat-sen) University
Team Name: ZSU_Metatron
- SongShan Guo, Coach
- Zuli Liu, Contestant
- Yi Wu, Contestant
- Zhaoyi Zhang, Contestant

Moscow State University
Team Name: MSU ST
- Alexander Chernov, Coach
- Stanislav Angelyuk, Contestant
- Vasily Astakhov, Contestant
- Ivan Maksimenko, Contestant

National Technical University of Ukraine “KPI”
Team Name: Revival
- Vasyl Biletskyi, Coach
- Oleksii Kasitskyi, Contestant
- Dmytro Korduban, Contestant
- Oleksii Silusarenko, Contestant

Novosibirsk State University
Team Name: Pluseg
- Tatyana Churina, Coach
- Mikhail Atuchin, Contestant
- Dmitry Butyugin, Contestant
- Roman Sorokin, Contestant

Saratov State University
Team Name: Saratov SU #1
- Michael Mirzayanov, Coach
- Natalia Bondarenko, Contestant
- Dmitry Matov, Contestant
- Stanislav Pak, Contestant

South Ural State University
Team Name: SUI/SU Thinks
- Andrey Demidov, Coach
- Alexander Bich, Contestant
- Pavel Mayorov, Contestant
- Oleg Vasilenko, Contestant

Europe

Altai State Technical University
Team Name: Altai STU
- Elena Kryuchkova, Coach
- Andrey Akinshin, Contestant
- Alexey Izbyshiev, Contestant
- Maxim Kolosovskiy, Contestant

Belarusian State University
Team Name: Belarusian SU1
- Vladimir Kotov, Coach
- Pilip Pronin, Contestant
- Dmitriy Rudol, Contestant
- Siarhei Tsikhan, Contestant

I. Javakhishvili Tbilisi State University
Team Name: Tbilisi SU 1 Triumvirate
- Teodore Zarkua, Coach
- Eldar Bogdanov, Contestant
- Nicholas Jimshaheleishvili, Contestant
- Giorgi Lekveishvili, Contestant

Jagiellonian University in Krakow
Team Name: Jagiellonian
- Pawel Idziak, Coach
- Kamil Kraszewski, Contestant
- Marek Wróbel, Contestant
- Pawel Zaborski, Contestant

KTH Royal Institute of Technology
Team Name: #define beaver (;)
- Marcus Forsell Stahre, Coach
- Ulf Lundström, Contestant
- Anders Sjöqvist, Contestant
- Chen Xing, Contestant
ICPC World Finals Stockholm
Team Roster

St. Petersburg State University
Team Name: SPb SU 1: Burunduchki
- Andrey Lopatin, Coach
- Oleg Davydov, Contestant
- Sergey Kopeliovich, Contestant
- Yury Petrov, Contestant

St. Petersburg State University of Information Technologies, Mechanics and Optics
Team Name: SPbSU ITMO 1
- Andrey Stankevich, Coach
- Maxim Buzzalov, Contestant
- Vladislav Isenbaev, Contestant
- Eugene Kapun, Contestant

Taras Shevchenko Kiev National University
Team Name: KNU - ddragons
- Vitalii Bondarenko, Coach
- Anton Raichuk, Contestant
- Roman Rizvanov, Contestant
- Yurii Znoyak, Contestant

Taurida V.I. Vernadsky National University
Team Name: TNU-1
- Oleksandr Kozlov, Coach
- Viktor Barinov, Contestant
- Sergey Kanyshchev, Contestant
- Oleksandr Mangylov, Contestant

Universitat Politècnica de Catalunya
Team Name: UPC - Grané’s beheaders
- Salvador Roura, Coach
- Josep-Àngel Herrero, Contestant
- Ricardo Martin Brualla, Contestant
- Francesc Martinez, Contestant

University of Cambridge - Trinity College
Team Name: TRI
- Fiachra Knox, Coach
- Frederick Manners, Contestant
- Mark Thompson, Contestant
- Sean Lip Zhao Wen, Contestant

University of Oxford
Team Name: Marta, Irena & Sirup
- Damien Sereni, Coach
- Daniel Bundala, Contestant
- Frantisek Simancik, Contestant
- Jakub Zavody, Contestant

University of Warsaw
Team Name: Warsaw Swifts 08
- Jan Madey, Coach
- Marcin Andrzychowicz, Contestant
- Maciej Klimek, Contestant
- Marcin Koscielnicki, Contestant

Ural State University
Team Name: Fusion
- Alexander Klepinin, Coach
- Daniel Alyzenshtein, Contestant
- Igor Chevdar, Contestant
- Alexey Samsonov, Contestant

École Normale Supérieure de Lyon
Team Name: agregpower
- Julien Robert, Coach
- Nicolas Bonifas, Contestant
- Xavier Pujol, Contestant
- Lionel Rieg, Contestant

EAFIT University
Team Name: Factor Comun
- Helmut Trefftz, Coach
- Sebastian Arcila Valenzuela, Contestant
- Andrés Mejía-Posada, Contestant
- Daniel Restrepo Montoya, Contestant

Escola Politécnica da Universidade de São Paulo
Team Name: Guerreiros da Poli
- Carlos Stein Naves de Brito, Coach
- Ricardo Hahn Pereira, Contestant
- Victor Lassance Oliveira e Silva, Contestant
- Gustavo Paciannoto Gouveia, Contestant

ITESM Campus Monterrey
Team Name: MTY03
- Luis Humberto González, Coach
- Luis Edgardo Argote, Contestant
- Hector Sandoval, Contestant
- Fernando de Jesús Sánchez, Contestant

Instituto Tecnológico de Culiacán
Team Name: Turing Machines
- Maria Lucia Barron Estrada, Coach
- Jesus Moises Osorio Velazquez, Contestant
- Guillermo Alberto Sandoval Sánchez, Contestant
- Jesús Eduardo Urías Barrientos, Contestant

Latin America

Kayaking in the middle of Stockholm
### ICPC World Finals Stockholm

#### Team Roster

<table>
<thead>
<tr>
<th>University</th>
<th>Team Name</th>
<th>Members</th>
</tr>
</thead>
<tbody>
<tr>
<td>Universidad Nacional de Colombia - Bogotá</td>
<td>Team Name: UN-01</td>
<td>Edwin Andrés Niño Velásquez, Coach, Iván Darío Arias Niño, Contestant,</td>
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<tr>
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<td>Jonathan Montaño Martínez, Contestant, Diego Fernando Salas Arciniegas,</td>
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<td>Contestant</td>
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<tr>
<td>Universidad Nacional de La Plata</td>
<td>Team Name: La JíRaFa</td>
<td>Leonardo Colombo, Coach, Ramiro Lafuente, Contestant, Joaquin Rodrigues,</td>
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<td>Contestant, Fidel Ivan Schaposnik, Contestant</td>
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<tr>
<td>Universidad Nacional del Sur</td>
<td>Team Name: Bahia</td>
<td>Martín Dario Safe, Coach, Nicolás Álvarez, Contestant, Ricardo Matias</td>
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<td>Ferro Moreno, Contestant, Nicolás Komański, Contestant</td>
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<tr>
<td>Universidad Tecnológica de la Mixteca</td>
<td>Team Name: grajam</td>
<td>Erik German Ramos Perez, Coach, Aristeo Gutiérrez Hernández, Contestant,</td>
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<td>Alan Martín Hernández Solano, Contestant, Jorge Ricardo Villalobos,</td>
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<td>Contestant</td>
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<tr>
<td>Universidad de Buenos Aires - FCEN</td>
<td>Team Name: AIA</td>
<td>Francisco Roslan, Coach, Alejandro Deymonnaz, Contestant, Agustin</td>
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<td>Gutierrez, Contestant, Ignacio Rossi, Contestant</td>
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<tr>
<td>Universidade Estadual do Ceará</td>
<td>Team Name: Posso ajudar?</td>
<td>Jerffeson Souza, Coach, Rafael Augusto Ferreira do Carmo, Contestant,</td>
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<td>Teofilo Bezerra Dutra, Contestant, Rudy Matela Braquehais, Contestant</td>
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<tr>
<td>Universidade Federal de Pernambuco</td>
<td>Team Name: Prático, Cícero e Heitor</td>
<td>Liliane Salgado, Coach, Pedro Bello, Contestant, Pablo Pinheiro, Contestant, Hallan dos Santos, Contestant</td>
</tr>
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<tr>
<td>Universidade Federal de Santa Catarina</td>
<td>Team Name: Time Limit Exceeded</td>
<td>Sergio Peters, Coach, Tiago Madeira, Contestant, Eluán Costa Miranda, Contestant, Luís Fernando Schultz Xavier da Silveira, Contestant</td>
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<tr>
<td>Universidade Federal do Espírito Santo</td>
<td>Team Name: NULL</td>
<td>Berilhes Garcia, Coach, Rafael Coelho, Contestant, Giovanni Comarela, Contestant, Lessandro Mariano, Contestant</td>
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<tr>
<td>Universidade Federal do Paraná</td>
<td>Team Name: Triforce</td>
<td>André Guedes, Coach, Eduardo Ribas, Contestant, Bruno Ribas, Contestant, Raphael Ribas, Contestant</td>
</tr>
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</tbody>
</table>

**North America**

| California Institute of Technology           | Team Name: A-tree       | Eric Stansifer, Coach, Zarathustra Brady, Contestant, Emil Ibrishimov, Contestant, Nathan Watson, Contestant |
|                                               |                         |                                                                         |
| Carnegie Mellon University                   | Team Name: The Tartans  | Gregory Kesden, Coach, Tom Conerly, Contestant, Celestine Lau, Contestant, Alan Pierce, Contestant |
|                                               |                         |                                                                         |
| Cornell University                           | Team Name: Cornell Red  | Wei-Lung Tseng, Coach, Vincent Chan, Contestant, Eric First, Contestant, Hooyeon Lee, Contestant |
|                                               |                         |                                                                         |
| Duke University                              | Team Name: DukeA        | Owen Astrachan, Coach, Siyang Chen, Contestant, Nadeem Kolia, Contestant, Matthew Rognlie, Contestant |
|                                               |                         |                                                                         |
ICPC World Finals Stockholm
Team Roster

University of California at Berkeley
Team Name: Berkeley Blue
- Paul Hilfinger, Coach
- James Cook, Contestant
- Štěpán Kolev, Contestant
- Joseph Lim, Contestant

University of Central Florida
Team Name: UCF Knights
- Ali Orooji, Coach
- Michael Do, Contestant
- Jeremy Elbourn, Contestant
- Stephen Fulwider, Contestant

University of Chicago
Team Name: Works in Theory
- Borja Sotomayor, Coach
- Ian Andrews, Contestant
- Lauren Ellsworth, Contestant
- Louis Wasserman, Contestant

University of Illinois - Urbana-Champaign
Team Name: UIUC
- Amol Deshpande, Coach
- Pichayoot Quuppaphan, Contestant
- Yintao Yu, Contestant
- Mianwei Zhou, Contestant

University of Maryland
Team Name: UMCP Terps
- Charles Riedesel, Coach
- Alan Jackoway, Contestant
- Mitchell Katz, Contestant
- Richard Matthew McCutchen, Contestant

University of Nebraska - Lincoln
Team Name: Incendiary Pigs
- Charles Riedesel, Coach
- Tim Echtenkamp, Contestant
- Tyler Lemburg, Contestant
- Steve Trout, Contestant

Iowa State University
Team Name: Pansy
- Simanta Mitra, Coach
- Pasha Kazatsker, Contestant
- Michael Seibert, Contestant
- Yuly Suworov, Contestant

Massachusetts Institute of Technology
Team Name: MIT Beavers
- Martin Rinard, Coach
- David Benjamin, Contestant
- Eric Price, Contestant
- Jacob Steinhardt, Contestant

McGill University
Team Name: McGill 1
- Eric Dallal, Coach
- Gheorghe Comanici, Contestant
- Yang Li, Contestant
- Scott McMurray, Contestant

Northwestern College
Team Name: Northwestern Red Raiders
- Michael Wallinga, Coach
- John Calsbeek, Contestant
- Ben Kester, Contestant
- Curt Van Wyk, Contestant

Purdue University
Team Name: Purdue Cheburashka
- Patrick Eugster, Coach
- Nathan Claus, Contestant
- Zhanibek Datbayev, Contestant
- Arman Suleimenov, Contestant

SUNY Stony Brook
Team Name: Seacubs
- Charles Ward, Coach
- Tynan Fitzpatrick, Contestant
- Roman Kogan, Contestant
- Leif Walsh, Contestant

Stanford University
Team Name: Stanford Red
- Jerry Cain, Coach
- Andy Nguyen, Contestant
- Jae Hyun Park, Contestant
- Jeffrey Wang, Contestant

University of Alberta
Team Name: University of Alberta
- Martin Mueller, Coach
- Travis Dick, Contestant
- Nicholas Merritt, Contestant
- Roshan Shariff, Contestant

University of British Columbia
Team Name: UBC *
- Anton Likhtarov, Coach
- Christopher Head, Contestant
- Simon Aloysius Suyadi, Contestant
- Kuan-Chieh Robert Tseng, Contestant

University of California - San Diego
Team Name: UCSD Berg
- Michael Vrable, Coach
- Eric Levine, Contestant
- David Michon, Contestant
- Elliott Slaughter, Contestant

University of Maryland
Team Name: UMCP Terps
- Amol Deshpande, Coach
- Alan Jackoway, Contestant
- Mitchell Katz, Contestant
- Richard Matthew McCutchen, Contestant

University of Nebraska - Lincoln
Team Name: Incendiary Pigs
- Charles Riedesel, Coach
- Tim Echtenkamp, Contestant
- Tyler Lemburg, Contestant
- Steve Trout, Contestant

Vasaloppet. 15'000 persons skiing 90 km.
University of Texas at Austin
Team Name: Bumkin Legacy
- Ryan Pai, Coach
- Josiah Godfrey, Contestant
- Tim Malone, Contestant
- David Wahler, Contestant

University of Virginia
Team Name: Fum
- Aaron Bloomfield, Coach
- Calvin Li, Contestant
- Briana Satchell, Contestant
- George Washington, Contestant

University of Waterloo
Team Name: Waterloo Black
- Ondrej Lhotak, Coach
- Andy Tsz Yin Kong, Contestant
- Konstantin Lopyrev, Contestant
- Malcolm Sharpe, Contestant

University of Wisconsin - Madison
Team Name: Wrong Answer
- Dieter van Melkebeek, Coach
- David He, Contestant
- Christopher Hopman, Contestant
- Mikola Lysenko, Contestant

Washington University in St. Louis
Team Name: WUSTL 1
- William Smart, Coach
- Sean Fellows, Contestant
- Sai Wo Li, Contestant
- Aayush Munjal, Contestant

University of Canterbury
Team Name: Team JET
- Tim Bell, Coach
- Edwin Flores, Contestant
- Joseph Scarf, Contestant
- Thomas Steinke, Contestant

University of Melbourne
Team Name: Hi Pat
- Bernie Pope, Coach
- Christopher Chen, Contestant
- Victor Lei, Contestant
- Angus McInnes, Contestant

University of Tasmania
Team Name: Mehffort Musketeers
- Mike Cameron-Jones, Coach
- Alexander Berry, Contestant
- Michael Ford, Contestant
- Christopher Neugebauer, Contestant
2009 World Finals
Staff and Volunteers

ICPC Team

Sa’idatul Bariah Ahmad,
Kuala Lumpur 2011 World Finals Committee

Roy Andersson,
Subcontest Manager

Samir Ashoo,
Systems - PC^2

Per Austrin,
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,
ICPC On-line Judging

Tomás Cerny,
ICPC HQ Services

Don Chamberlin,
World Finals Judge

Miao Chi,
Harbin 2010 World Finals – Foreign Affairs Member

John Clevenger,
Contest Systems Director

James Comer,
Associate Director

Marjene Comer,
ICPC HQ Staff

David Cranor,
ICPC Videographer

Elizabeth Davis,
ICPC Headquarters Chief Delegate

Joseph DeBlasi,
ICPC Awards Committee

Hans Domjan,
ICPC Digital Media Production

Jeff Donahoo,
ICPC HQ Services Director

Lisa Donahoo,
ICPC Digital Media Production

Roman Elizarov,
ICPC Challenge Chief Judge

Marc Furon,
Problem Pooling

Don Gaitros,
World Finals Marshall

Vicki Gaitros,
Registrar Assistant

Robert Greenleaf,
Music Director

Allison Grindle,
ICPC HQ Services

Greg Hammerly,
Playoff Chief Judge

Andrew Harrington,
World Finals Judge

David Hill,
ICPC Photographer

Sharon Humphrey,
ICPC Registrar

Patrick Hynan,
Director of Operations

Martin Kacer,
World Finals Judge

Ben Kelley,
ICPC HQ Steering Committee

Derek Kisman,
World Finals Judge

Peter Kluit,
World Finals Judge

Joel Korpi,
ICPC Digital Media Lab Director

Michael Korpi,
ICPC Digital Media Producer

Zachary Korpi,
ICPC Digital Media

Vladimir Kuznetsov,
CLI Workshop Camps

Jeff Donahoo,
ICPC HQ Services Director

Lisa Donahoo,
ICPC Digital Media Production

Roman Elizarov,
ICPC Challenge Chief Judge

Sa’idatul Bariah Ahmad,
Kuala Lumpur 2011 World Finals Committee

Roy Andersson,
Subcontest Manager

Samir Ashoo,
Systems - PC^2

Per Austrin,
World Finals Judge

John Bonomo,
World Finals Judge

Bill Booth,
CLIS Chief Editor

Troy Boudreau,
Systems - PC^2

Stephan Bourne,
ACM President Emeritus

Corey Carbonara,
ICPC Digital Media

Carlos Marcelino Casas Cuadrado,
ICPC On-line Judging

Tomás Cerny,
ICPC HQ Services

Don Chamberlin,
World Finals Judge

Miao Chi,
Harbin 2010 World Finals – Foreign Affairs Member

John Clevenger,
Contest Systems Director

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KTH accounts for one-third of Sweden’s technical research and engineering education capacity at university level. Education and research cover a broad spectrum – from natural sciences to all the branches of engineering as well as architecture, industrial engineering and management, urban planning, work science and environmental engineering. In addition to the research carried out by KTH’s Schools, a large number of both national and local Competence Centres are located at KTH. Various research foundations also finance a number of research programmes.

KTH was founded in 1827 and the main campus has been located in attractive, and now listed, buildings in central Stockholm since 1917. In addition, KTH and Stockholm University jointly offer study programmes and carry on research in biotechnology and physics. KTH also collaborates with Stockholm University, various research institutes and industry within the framework of the IT University – Sweden’s largest resource in information technology.

Here at KTH about 20,000 people today are active as students – of every description and background, and of both sexes. The traditional picture of the KTH undergraduate as being a male seems to be a die-hard one, however, today’s development towards greater equality, and a number of KTH efforts to that very effect, have paid off handsomely. A lot of things have changed materially since 1921, when admission to the regular programmes at KTH first became available to everyone, irrespective of their sex.

School of Computer Science and Communication

CSC is one of Sweden’s most advanced and successful research and education institutions in Information Technology. We work with education and research in Numerical Analysis, Computer Science, Media Technology, Human–Computer Interaction, Speech Technology, Music Acoustics and Languages at KTH and at Stockholm University (SU).

About 300 people work in this dynamic environment, 100 of whom are graduate students. Currently, 1500 undergraduate students are enrolled in our education programmes. The school is responsible for education in Computer Science and Media Technology in most of the Master of Technology programmes at KTH, and also in Bachelor and Master programmes at KTH and at the Science faculty at SU. About 11000 students participate in our about 300 courses, ranging from basic level to research level each year.