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icpc
International Collegiate Programming Contest

icpc.foundation
WELCOME
Welcome from the President of Peking University

Dear ICPC Participants and Guests,

On behalf of Peking University, it is my great pleasure to welcome all of you to the 2018 World Finals of the ACM International Collegiate Programming Contest (ICPC).

Now entering its 42nd year, the ACM-ICPC has established itself as one of the largest and most prestigious competitions in computer science and engineering. Each year, the participation of so many teams from all over the world shows our new generation's sincere interest in the science and art of computing and programming. In this year, 49,935 contestants from 3,098 universities in 111 countries on 6 continents competed at the local and regional levels, with 140 of those teams proceeding to the World Finals. Congratulations should be given to those participants who have made it this far in the competition, along with thanks to all those who have contributed their time, expertise, energy, and support to create this World Finals.

From the 15th to the 20th of April, Peking University will proudly play host to the 2018 ACM ICPC World Finals. The year 2018 is a special year for Peking University because the University will be celebrating the 120th Anniversary of its founding. To commemorate this milestone, Peking University has announced a year-long series of events that are characteristic of the lively intellectual pursuits and exchanges that flourish at Peking University. No doubt, among these events, the ACM-ICPC World Finals will be one of the most spectacular and truly unique.

Allow me to convey my best wishes to all the participants for a very productive, fun, and rewarding gathering, as well as to all the colleagues, families, and friends for a most enjoyable stay in Beijing. I anticipate that there will be some great memories to be had by all!

Sincerely,

LIN Jianhua
President, Peking University
World Finals Director, 2018 ACM-ICPC World Finals

Welcome from the Vice President of Peking University

Dear Participants, Colleagues, and Friends,

It is a real pleasure and honour for me to welcome you all, here at Peking University, for the 42nd World Finals of the ACM International Collegiate Programming Contest (ICPC).

As one of the oldest, largest and most renowned programming contests in the world, the ACM-ICPC World Finals, from its very inception, has been at the forefront of encouraging interactions and exchanges among top computer science students from around the world. And, for over 40 years, it has contributed significantly to advancing the skills, knowledge, and performance as well as aspirations of students in the computing disciplines, thus helping to develop successive generations of leading computing professionals.

As the host of this year’s World Finals, Peking University shares ACM-ICPC’s concept of competitive learning and has adopted its overall mission as our own. I am amazed at how much things have advanced in the field of computer science and information technology in China since 2000, when our students first participated in the contest. I believe these advancements can be attributed in large part to the enthusiasm and spirit generated in the hearts of our young people. And I am sure that they ultimately will be very beneficial, not only for academia, but also for the software engineering industry as well as society as a whole.

We are very excited to have you all here in Beijing. I wish all teams much success and inspiration and hope you enjoy this amazing experience. Also, please take a little extra time to enjoy with your families and friends the unique beauty of our city.

With warm regards,

GAO Song
Vice President, Peking University
World Finals Executive Director, 2018 ACM-ICPC World Finals
Welcome from the Director General of CYSC

Dear ICPC World Finals Participants and Guests,

On behalf of Children and Youth Science Center (CYSC) of China Association for Science and Technology (CAST), I would like sincerely and warmly to welcome you to Beijing for the 2018 ICPC World Finals, the fun-filled and world-class event in the world of computing.

CYSC has been committed to engaging the public with science and technology and inspiring innovation in the younger generation through science education programs and public events for more than 40 years. And we are making efforts to offer the greatest opportunities for gaining international experience to both Chinese young scientists and their counterparts overseas.

As the co-host of the 2018 ICPC World Finals, CYSC along with Peking University hopes to provide you with an exciting time and place where a high-integrity contest can be achieved and many long-lasting friendships can be made.

CYSC would also like to recognize and acknowledge the enthusiasm, great efforts, and professional input of volunteers, staff, faculties and officials from ACM, Peking University and other organizations and institutions, which faithfully support the 2018 ICPC World Finals.

Finally, I wish you all a memorable and wonderful stay in Beijing!

LIU Yang
Director General
Children and Youth Science Center (CYSC)
China Association for Science & Technology (CAST)
World Finals Executive Director, 2018 ACM-ICPC World Finals

Welcome from the ICPC Executive Director

Welcome to Beijing!

Welcome to the 2018 ACM-ICPC World Finals hosted by Peking University and CYSC Children and Youth Science Center of CAST! We are delighted that ICPC 2018 Beijing celebrates 120 years of Peking University and science in China.

In particular, I would like to thank 2018 World Finals Director, Professor Jianhua Lin, President of Peking University, and 2018 World Finals Executive Director, Professor Song Gao, Vice President of Peking University, for their extraordinary support. We are thankful for the leadership of CYSC and CAST for recognizing the ICPC as a jewel of applied science.

PKU and ICPC alumni have made ICPC 2018 Beijing possible. Founder Group stepped forward as ICPC Diamond Global Sponsor. Local sponsors with ICPC alumni roots joined in. Thank you for your investment in the next generation.

Our very first global sponsor is JetBrains, the ICPC Programming Tools Global Sponsor. JetBrains is the quintessential ICPC alumni company. They sponsored the regionals worldwide and ICPC 2018 Beijing.

Thanks go to ACM, UPE Honor Society, and Baylor University for your participation.

UPE has participated since 1970. Baylor University has hosted ICPC Headquarters for decades. ACM branding honors ACM members who have contributed to the success of the ICPC in past decades.

The ultimate thanks go to the 49,905 team members and their 4,987 coaches at the 3,098 universities in 111 countries who placed teams in ICPC regional competitions organized into 585 sites. From this crucible, 140 teams have advanced to the 2018 ICPC World Finals here in Beijing.

Congratulations to the 2018 ICPC World Finalists! You have earned the right to compete for global recognition. Your team outperformed 99% of the teams that challenged you to do your best. You are champions all, competing to earn medals – bronze, silver, and gold – and vying to make the “2018 ICPC World Champions” prove their worth! One team will take the trophy home. You all made it precious.

There are many champions in the ICPC universe. There are over 5,000 volunteers who hold competitions worldwide. You will meet some of them. Meet Measures Award recipient Wenxin Li. Wenxin embodies ICPC ideals in spirit, zeal, and competence. As 2018 ICPC Director of Organization, Professor Li was the driving force in drawing together the resources and core team to put the “Beijing” in 2018 ICPC Beijing.

Consider the DeBlassi Award recipients, PKU is a global mainstay of the ICPC. Check out what they have done to create global opportunity while incubating habits of excellence for a generation. Their contributions are amazing. In particular, I would like to thank Cecilia YANG, Meilie LI, and Guqin LIU for compensating for an old Texan who is better at writing long letters than being truly helpful.

With the combined forces of the 2018 ICPC Beijing volunteers and ICPC Headquarters Staff headed by Lisa Conahoe, we look forward to see what the best ICPC teams ever do in the crucible of the most demanding ICPC Judges ever! Together, we are truly, ICPC Global.

Best Wishes from the ICPC family, the ICPC Foundation, and me!

William B. Poucher, Ph.D., ACM Fellow
ICPC Executive Director
On behalf of the Founder Group, I would like to extend my warmest welcome to all of you here in Beijing, attending the 42nd Annual ACM International Collegiate Programming Contest (ICPC) World Finals!

Founder Group was established by Peking University in 1986. With our DNA rooted in independent innovation, Founder Group has been continuously contributing to the development of technology and supporting the industrialization process of the University’s research. By gradually diversifying our business structure, we have established a synergistic layout with four core business segments: IT, healthcare, industry finance and an innovation center.

It is our great honor to be the first Chinese company to sponsor the world’s largest and most prestigious programming competition. We would like to congratulate all the brightest members from the 140 teams qualifying for this year’s championship, who represent the most talented students of all the world, and the coaches who devoted so much time and effort throughout the preparation. It has taken tremendous efforts and extraordinary teamwork to be at this place. I am sure that this contest will help grow a new generation of innovation leaders.

Also, I would like to give my utmost gratitude to the ICPC leadership and all the volunteers. Thank you for your passion, dedication and commitment over the past years to make this week truly unique and unforgettable for all the participants.

Now, all the talented students and leaders have gathered here for the Final events. I hope you will enjoy these wonderful days and stay active in the ICPC family.

Best regards,

SHENG Yuhai
Chairman of the Board
Founder Group

This year’s ICPC contests included over 50,000 of the most outstanding students and faculty members from over 3,000 universities in 111 countries. The ICPC community is dedicated to the mission of no barriers to any students in preparing to be great problem solvers. You are a prime example of what is possible through education and competition. Through your actions, you are shining a bright spotlight on yourselves, your families, your coaches, and your universities. You will make history this week, and the ICPC is proud of all you have and will accomplish.

I’d like to offer a personal word of thanks to the ICPC volunteers, particularly those from PKU, who have made planning and executing the 42nd World Finals a labor of love for over a year. Your hospitality is unparalleled. You are the community that allows our amazing 140 teams to discover the possible in themselves.

Best wishes to all of you in the contest!

Michael J. Donahoo
ICPC Deputy Executive Director
Executive Director of the World Finals
Welcome from Two Sigma

On behalf of Two Sigma Investments, welcome to the 2018 ACM International Collegiate Programming Contest (ICPC) World Finals in Beijing. This is an exciting moment for all those involved, from contestants to organizers and volunteers, and Two Sigma is proud to continue to support ICPC.

Two Sigma partners with ICPC because we share the belief that programming competitions are an important way to encourage students to follow their passions and ultimately find fulfilling careers. Many of our hundreds of engineers launched their own careers through competitions like ICPC. In fact, we proudly employ a number of ICPC alumni and a current employee is participating in ICPC competition this week. We also run our own coding competitions for employees every year to always maintain that fun, competitive spirit.

We are particularly excited to support the World Finals in Beijing. Two Sigma has deep and meaningful connections in China. A significant portion of our employee base is from China, and we opened our Hong Kong office in 2012 to help expand our work with Chinese investors. China’s advances in artificial intelligence and the country’s appreciation for systematic, scientific learning make it an ideal partner for Two Sigma.

Leaders from across Two Sigma and recruiters will be on location at the World Finals. We are looking forward to meeting ICPC contestants and encourage those interested in internships or job opportunities to come meet with us.

Congratulations again to all those participating in the events this week. Two Sigma would also like to give special thanks to Baylor University, ACM and the team at ICPC. Good luck!

David Siegel and John Overdeck
Co-founders
Two Sigma

Welcome from JetBrains

It is an honor for me to welcome you, on behalf of JetBrains, to Beijing, for the 42nd Annual ACM ICPC World Finals.

For all the teams that qualified for this year’s world championship, it’s already a great achievement. There were months of competitions, a lot of hard work, a lot of things to learn and accomplish, even before you get to the World Finals. Congratulations, it’s great to see you here!

I wish to specifically thank the coaches and regional contest and site directors who have dedicated so much of their efforts into organizing the contests and coaching the teams. JetBrains supports the education of computer science students and runs various educational programs in cooperation with several universities. We believe students and teachers should all have access to the benefit of cutting-edge technologies, so we offer JetBrains technologies to them free.

The organizers have made the week full of activities. So on that note, I would like to recognize and thank the ICPC leadership and their staff of volunteers and our hosts, Peking University, who have all worked incredibly hard throughout the year to make this week an enjoyable and memorable one for all of you.

Don’t miss our booth at Showcase, where we can introduce you to some of our technologies or to Kotlin, our new programming language, which many of you might find yourselves using in the future. We have a Tech Talk the morning of April 16th, where we are delighted to be talking about the technologies which we are developing. Also, be sure to check out the Chill Zone, where you can take part in some brain-training and relaxing activities and win a prize from JetBrains.

Finally, I’d like to wish Peking University a Happy Birthday. 120 years of upholding the pioneer spirit.

Eugene Toporov
VP of Marketing
JetBrains
Welcome from ACM

Welcome to the 42nd Annual World Finals of the ACM International Collegiate Programming Contest (ICPC). ACM is proud to participate in the life of the ICPC community.

I am personally excited to be here in Beijing, especially during the 120th Anniversary of Peking University and science in China. I know the events will be spectacular.

I would like to thank Peking University, the ICPC Foundation, and ICPC Headquarters at Baylor University, for producing and funding the regionals and the 2018 World Finals. Thank you, UPE, for your participation since 1970.

In addition to fostering the personal rewards of making new friends and lifelong memories at ICPC, ACM is happy to provide a tangible reward to all finalists by extending free student memberships. With ACM student membership, you join a global community of like-minded computing professionals and students. On behalf of ACM’s nearly 100,000 members, I welcome you to ACM.

I congratulate each of you on reaching the World Finals and wish you every success in your chosen careers. There’s never been a more exciting time to be in computing!

Sincerely,

Vicki L. Hanson
ACM President

Welcome from Upsilon Pi Epsilon

On behalf of UPE, I would like to welcome the student teams and their coaches, ICPC support personnel, and guests to Beijing for the 2018 ACM ICPC World Finals. This competition is truly a significant event for all of us in UPE as we are again privileged to recognize the World’s best and brightest students in the computing and information disciplines. The ICPC World Finals is always an exciting time for UPE as we strive and continue to expound on the primary mission of the ICPC as “an extra-curricular, competitive programming sport of the universities of the world.”

The ICPC will show to the world that we can provide new venues for our student participants so they can be recognized as the best of the best in the globally-competitive world of computing. We wish to encourage everyone to experience as much of the Beijing environment as they possibly can with the knowledge that this city is the academic and cultural center of the world’s most populous country.

Finally, I take the opportunity to say xie xie to our hosts and sponsors, especially Peking University, the Children and Youth Science Center of the China Association for Science and Technology, and Baylor University who have all collaborated successfully to ensure the success of the 2018 ICPC World Finals.

Sincerely yours,

Orlando Madrigal Ph.D.
Executive Director of UPE
Dear ICPC participants,

I’m quite pleased to welcome you on behalf of Baylor University to the 42nd Annual ACM International Collegiate Programming Contest World Finals.

We extend our heartiest congratulations to those of you who have qualified, as a result of your dedication to your discipline, to compete as contestants and coaches. We also want to express our deep appreciation to those of you who are contributing your expertise, time, and energy on behalf of the competition by overseeing the many technical and logistical arrangements for the event.

We’re privileged to collaborate this year with our host institution, Peking University, and we are deeply indebted to our colleagues at this institution for their hospitality and for all the ways that they are ensuring that this event will be a wonderful experience for all involved. We always value opportunities such as this one to make new acquaintances and relationships as we work with partners in education around the globe.

Baylor is gratified to have been able to serve ICPC for 35 years. This event is distinctly consonant with our institutional mission “to educate men and women for worldwide leadership and service.” The skills and aspirations that competitors develop in order to compete at all levels of the ICPC address exactly these goals: students are both inspired to lead as they develop the ability to solve programming challenges, and, even more importantly, to serve as they are challenged to solve the types of problems that can enhance the ability of people throughout the world to flourish.

Please accept our best wishes, to all of you who have gathered here, for a deeply rewarding time of competition and fellowship in Beijing.

James Bennighof
Professor of Music Theory and
Vice Provost for Academic Affairs and Policy
Baylor University

Dear ICPC participants,

It is my pleasure to welcome you on behalf of Baylor University to the 42nd Annual ACM International Collegiate Programming Contest World Finals in Beijing, China.

Congratulations to the 2018 finalists who represent the world’s best and brightest students in the science of programming, and our sincere thanks to their coaches for their invaluable mentorship that led to this achievement. We are also grateful for all of those who committed their time and expertise to the regional competitions which included almost 50,000 contestants from 3,098 universities in 111 countries and on six continents. Lastly, we would like to extend our deepest appreciation to those who have planned and prepared for well over a year, as well as to those who will work tirelessly during the competition, to make this ICPC World Finals the best yet.

The ACM ICPC is the oldest, largest, and most prestigious competition in computing science and engineering. It is a privilege to have ICPC headquartered at Baylor University and an honor to join ACM and UPE in support of this commendable organization. In addition, we are grateful to Peking University for hosting this extraordinary event.

We are excited to have the world’s brightest students on the World Finalist teams, and our best wishes go out to each of them.

Best wishes!

Lori E. Baker
Vice Provost for Strategic Initiatives, Collaboration, and Leadership Development
Baylor University
ABOUT THE CONTEST
ACM-ICPC

The ACM International Collegiate Programming Contest (ICPC) is the premiere global programming competition conducted by and for the world’s universities. The ICPC is affiliated with the ICPC Foundation, enjoys the auspices of ACM, and is headquartered at Baylor University. For over four decades, the ICPC has grown to be a game-changing global competitive educational program that has raised aspirations and performance of generations of the world’s problem solvers in the computing sciences and engineering.

In ICPC competitions, teams of three students represent their university in multiple levels of regional competition. Volunteer coaches prepare their teams with intense training and instruction in algorithms, programming, and teamwork strategy. Several ICPC universities and ICPC volunteers provide online judging systems to all free of charge. Top teams from regional competition advance to the final round. This year’s regional competitions will advance teams to the World Championship round - the 2018 ACM-ICPC World Finals hosted by Peking University and CYSC: Children and Youth Science Center of CAST – which will be conducted on 19 April, 2018 in Beijing, China.

The ICPC traces its roots to a competition held at Texas A&M 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 raise the aspirations, performance, and opportunity of the 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. Operating under the auspices of ACM and 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.

In the past 20 years alone, ICPC participation has increased by more than 2000%. Last year, ICPC Regional participation included 49,935 of the finest students and faculty in computing disciplines from 3,098 universities in 111 countries on six continents. A record 53,446 students and 5,411 coaches competed in ICPC and ICPC-assisted competitions last year, setting new records in participation.

The 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 annual event is comprised of several levels of competition:

- **Local Contests** – Universities choose teams or hold local contests to select one or more teams to represent them at the next level of competition. Selection takes place from a field of over 300,000 students in computing disciplines worldwide.
- **Regional Contests** – In last year’s regionals, 43,935 contestants from 3,098 universities in 111 countries on six continents competed at over 530 sites to advance to the World Finals.
- **World Finals** (15-20 April, 2018, Beijing, China) – Hosted by Peking University and CYSC: Children and Youth Science Center of CAST, the World Finalist teams will compete for awards, prizes, and bragging rights. These teams represent the best of great universities on six continents - the cream of the crop.

**Battle of the Brains**

The contest pits teams of three university students against eight or more complex, real-world problems, with a grueling five-hour deadline. Huddled around a single computer, competitors...
race against the clock in a 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. For a well-versed computer science student, some of the 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.

Judging is relentlessly strict. The students are given a problem statement – not a requirements document. They are given an example of test data, but they do not have access to the judges’ test data and acceptance criteria. Each incorrect solution submitted is assessed a time penalty. You don’t want to waste your customer’s time when you are dealing with the supreme court of computing. The team that solves the most problems in the fewest attempts in the least cumulative time is declared the winner.

To learn more about the ICPC, please visit icpc.baylor.edu.

For full coverage of the World Finals including social media, photos, video, live coverage, and live scoreboard go to ICPCNews, icpcnews.com.

Contest Growth

ACM, UPE, and Baylor University are thrilled that the contest continues to attract the best and brightest students from around the world. This year 49,935 contestants from 3,098 universities in 111 countries competed in regional competitions at over 530 sites worldwide. The ICPC student participation has increased by 20X in 20 years. For more information on previous contests, and last year’s final standings and problem sets, please see icpc.baylor.edu.

World Finals 2018 hosted in Beijing, China – the final round following the 2017 Regionals

Teams from regional contests servicing universities worldwide will advance to the World Finals to be held in Beijing, China, 15-20 April, 2018. The 2018 World Finals is hosted by Peking University and CYSC: Children and Youth Science Center of CAST.

Recent medal winners in order of finish are:

2017
- Gold: St. Petersburg ITMO University
  - University of Warsaw
  - Seoul National University
  - St. Petersburg State University
- Silver: Moscow Institute of Physics & Technology
  - Tsinghua University
  - Peking University
  - Fudan University
- Bronze: KAIST
  - Ural Federal University
  - KTH - Royal Institute of Technology
  - The University of Tokyo

2016
- Gold: St. Petersburg State University
  - Shanghai Jiao Tong University
  - Harvard University
  - Moscow Institute of Physics & Technology

2015
- Gold: St. Petersburg National Research University ITMO
  - Moscow State University
  - The University of Tokyo
  - Tsinghua University

2014
- Gold: St. Petersburg State University
  - Moscow State University
  - Peking University
  - Taiwan University

2013
- Gold: St. Petersburg National Research University ITMO
  - Shanghai Jiao Tong University
  - The University of Tokyo
  - Taiwan University
About the ICPC Foundation

The ICPC Foundation is a 501(c)(3) organization founded to advance the art and sport of competitive programming for the benefit of society. The foundation is responsible for ICPC sponsorship, fundraising, outreach, and operational matters. The ICPC Executive Director is an officer of the ICPC Foundation. For more information about the ICPC and the ICPC Foundation visit icpc.foundation.

About Peking University

Peking University is a comprehensive and national key university. The campus, known as “Yan Yuan” (the garden of Yan), is situated at Haidian District in the western suburb of Beijing, with a total area of 2,743,532 square metres (or 274 hectares). It stands near to the Yuanmingyuan Garden and the Summer Palace. Peking University is proud of its outstanding faculty, including 53 members of the Chinese Academy of Sciences (CAS), 7 members of the Chinese Academy of Engineering (CAE), and 14 members of the Third World Academy of Sciences (TWAS). The university has effectively combined research on important scientific subjects with the training of personnel with a high level of specialized knowledge and professional skill as demanded by the country’s socialist modernization. It strives not only for improvements in teaching and research work, but also for the promotion of interaction and mutual promotion among various disciplines. Thus Peking University has become a center for teaching and research and a university of a new type, embracing diverse branches of learning such as basic and applied sciences, social sciences and the humanities, and sciences of medicine, management, and education. Its aim is to rank among the world’s best universities in the future. Learn more at english.pku.edu.cn.

About CYSC

Children & Youth Science Center (CYSC), a non-profit organization affiliated with the China Association for Science and Technology (CAST), was founded in 1978. CYSC is committed to engaging the public with science and technology and inspiring innovation in the young generation through science education programs and public events.

CYSC, together with provincial branches, science museums and STE centers have made up a nationwide network for informal science education and science popularization events in China. See www.cyscc.org.cn for more information.

About ACM

ACM, the Association for Computing Machinery, with more than 100,000 members, is the world’s largest educational and scientific computing society, uniting computing educators, researchers, professionals, and students to inspire dialogue, share resources, and address the field’s challenges. ACM strengthens the computing profession’s collective voice through strong leadership, promotion of the highest standards, and recognition of technical excellence. ACM supports the professional growth of its members by providing opportunities for life-long learning, career development, and professional networking. For more information, see acm.org.

Baylor University’s Commitment

Baylor University has been the home of the ICPC since the late 1980s, where it has been managed under the direction of Executive Director and Professor, Dr. William B. Poucher, with global enterprise technology development headed by Dr. Jeff Donahoo, Deputy Executive Director. The ICPC contributes to Baylor’s global mission to encourage the next generation to develop and apply their problem-solving talents to the challenges that face the world today and the world to come. Chartered by the Republic of Texas, Baylor is the oldest institution of higher learning in the State of Texas. You may find more about Baylor at baylor.edu.

Upsilon Pi Epsilon’s Commitment

The Upsilon Pi Epsilon International Computer Science Honor Society recognizes the best students of computer science and engineering in the world. Since its earliest participation, the UPE has provided support and scholarships to the World Finals teams. The UPE boasts the longest continuous relationship to the ICPC, dating back to 1970 with the first event held at Texas A&M by members of the Alpha Chapter of the UPE. For more information about other UPE activities, its chapters, and its membership, click on upe.acm.org.
ICPC 2018 World Finals

World Finals Rules for 2018

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)

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 and Dates
The 2018 World Finals will be held in Beijing, China, April 15 - 20, 2018, hosted by Peking University and CYSC: Children and Youth Science Center of CAST. The World Finals and associated events are planned to be on the university campus.

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

About Founder Group
Founder Group, a large state-owned enterprise, was established by Peking University in 1986. As its founder, Academician Wang Xuan laid the cornerstone for Founder’s legendary development with his invention, the Chinese Character Informatization Technology and Laser Photo Typesetting System.

With independent innovation as its DNA, Founder continuously advanced technology and service innovation, gradually evolving into a diversified business structure maximizing industry synergy, with the core business segments of IT, healthcare, industry finance and an innovation center as pillars.

IT Segment, a leading enterprise in the Chinese IT industry, covers the fields of a Chinese character type library, printing and publishing, wideband communication, Healthcare IT, smart city solutions, etc.

Healthcare Segment, with its medical services, innovation and investment, R&D, manufacturing and sales of medicine preparation as its main businesses, is committed to growing into a leading international comprehensive health enterprise.

The Industry and Finance Integration Segment, including security, insurance and bulk commodity trading, keeps developing its full-industry chain financial product and service system, and exploring an innovative new model to develop industrial and finance integration.

The Innovation Center, focusing on a three-in-one development strategy of ‘park construction, platform operation and enterprise incubation’, supports the commercialization of scientific and technological achievements.

Deeply rooted in Peking University, Founder Group will keep following its values of serving education and scientific development and committing itself to the practice of the ‘industry-university-research cooperation’ development model, devoting itself to education and scientific research, serving the country through industrial development and continuing to be a respectable conglomerate.

About JetBrains
JetBrains is the creator of the leading Java IDE, IntelliJ IDEA, and a vendor of world class professional software development tools. Starting from the 2018 World Finals, JetBrains will provide ICPC teams with C++, Java, and Python tools, and their modern programming language Kotlin, to help participants reach new levels of productivity, creativity, and problem-solving. The JetBrains suite of IDEs is used by over half a million students from around the world and is provided free to education to support the next generation of programmers. For more information visit www.jetbrains.com/student.

About Founder Group

JetBrains is the creator of the leading Java IDE, IntelliJ IDEA, and a vendor of world class professional software development tools. Starting from the 2018 World Finals, JetBrains will provide ICPC teams with C++, Java, and Python tools, and their modern programming language Kotlin, to help participants reach new levels of productivity, creativity, and problem-solving. The JetBrains suite of IDEs is used by over half a million students from around the world and is provided free to education to support the next generation of programmers. For more information visit www.jetbrains.com/student.
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, Dress Rehearsal, the World Finals, and the Closing Ceremony.

Support and Prizes

Each finalist team will be provided with hotel accommodations for the coach and three contestants according to dates published on ICPC Invitations. The hotel accommodations will provide gender privacy. 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.

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 to teams solving the same number of problems as the twelfth place team and in a total elapsed time no more than 60 minutes more than the twelfth place team. Such teams will be awarded twelfth place.

The highest scoring team is the World Champion and will receive the World Champion Cup and plaques. The other top eleven teams, the Africa & Middle East Champions, the Asia East Champions, the Asia Pacific Champions, the Asia West Champions, the Europe Champions, the Latin America Champions, the Northern Eurasia Champions, and the North America Champions will also receive plaques.

The World Champion team will be awarded $15,000. Each of the other three Gold Medal teams will be awarded $7,500. Each Silver Medal team will be awarded $6,000. Each Bronze Medal team will be awarded $3,000. Courtesy of the UPE Computer Science Honor Society, the First Solution Award will be $1,500. For the other solved problems, The First to Solve Award will be $1,200.

Conduct of the Finals

Ten 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

Notification of accepted runs may 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.

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 include Java, C, C++, Kotlin and Python. 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++.

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 three copies of the Team Reference Document described in the 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.
Activities

Team Registration
All teams and coaches must present themselves for registration at the time selected by appointment. Registration is provided by UPE and Baylor University, whose representatives certify that team paperwork and Team Reference Documents comply with ICPC rules.

Participant Welcome
A dinner is hosted to welcome all registered attendees.

ChillZone
Sponsored by JetBrains and Two Sigma, an area where contestants can relax, play games, engage with other teams, and interact with demos featuring varied, innovative technologies.

PKU/ICPC Showcase
Make connections with companies sponsoring the World Finals. Learn about their products, innovations, ICPC involvement, and potential career opportunities.

Tech Trek
Creative innovators lead the industry in developing interesting and important technology for the world’s needs. This event includes presentations on some fascinating new projects from JetBrains, ICPC Global Programming Tools Sponsor. Attendance is required for teams and coaches.

Great Wall Excursion
Visit Juyong Pass [built 770 – 476 BC], the final checkpoint before the direct road to Beijing, and one of its most important defenses. Two high watchtowers built at each gate [Nan (south) Guan (gate) and Bei (north) Guan] provide the best views of the pass. Juyongguan has ramped wheelchair access as well as steeper climbs for those looking for something more challenging.

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.

Musicode - A Welcome Concert
The Central Conservatory of Music and Peking University Chinese Music Institute (CMI) collaborate to present Musicode, a fascinating dialogue between traditional Chinese music and modern computer science.

The World Finals Dress Rehearsal
A full-scale rehearsal and practice of the World Finals.

UPE Dinner
This event features dinner and an evening of fun and interaction.

The World Finals
The time has come. 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 to crown the ACM-ICPC World Champions and medal winners!

The World Finals Celebration
The location and activities are always exciting. The end result is always a phenomenally fun time for contestants and volunteers alike. This event is sponsored by Founder Group.
Juyongguan Great Wall

Juyong Pass is situated in a valley surrounded by mountains on two sides; it has long been a military stronghold. The pass is roughly circular with a perimeter about 4,530 yards (4,142 meters) long. The widest point of the wall is 18 yards (16.7 meters), while the narrowest measures only 1.3 yards (1.2 meters).

It consists of two gates, one in the south and the other in the north, respectively called Nan (south) Guan (gate) and Bei (north) Guan. Two high watchtowers were built at each gate. They are now the best view points to see the full picture of the pass. No. 13 Beacon Tower at the west section is the highest point of the scenic area. You can have a bird’s-eye-view of the pass there, too.

There is a high platform called Cloud Platform in the center of the pass. It is a white marble construction. There used to be buildings on top of the platform, but they were destroyed by fire and only the marble base remains. An arched doorway penetrates the platform. On the walls of the doorway, statues of four heavenly gods and sutra scriptures were carved.

What’s the story?

It was first built in the Spring and Autumn Period (770 – 476 BC) and Warring States Period (476 – 221 BC) by Yan State as a fortification, and was linked to the Great Wall of China in the Southern and Northern Dynasties (386 – 589).

While fortifications of sorts had been stationed at Juyongguan for centuries before, after overthrowing the Mongol Yuan dynasty in 1368, the first Ming emperor Zhu Yuanzhang wanted to make sure they couldn’t get back in, and ordered the construction of a stronger wall here. As the final checkpoint before the direct road to the capital, it would serve as one of its most important defences.

Why choose this section?

Juyong Pass ranks as the first of the three impregnable passes along the Great Wall. Besides being the closest to the city, Juyongguan also has ramped wheelchair access to some of its milder gradients, although it has steeper climbs for those looking for something more challenging, with its highest point reaching 350 meters. The section also circles round the Guangou valley on a four-kilometer loop, so you won’t need to retrace your steps.
承・Musicode - A Welcome Concert

In collaboration with China’s finest musicians from the Central Conservatory of Music, Peking University Chinese Music Institute (CMI) will present participants of the 42nd ACM-ICPC World Finals with a concert titled Musicode on the 16th of April, at the Peking University Centennial Hall.

In this fascinating dialogue between traditional Chinese music and modern computer science, Musicode aims to inspire new possibilities and prospects in music making and interdisciplinary research. In commemoration of Peking University’s 120th anniversary, students from PKU will collaborate with China’s most established musicians to put up a combined performance which will not only be a display of the exuberance and vigor of the youth of today, but also a demonstration of the vitality of the Chinese Traditional Arts scene. This concert will not merely be a reflection of the past and its achievements, but will also serve to motivate and embolden the young generation to embark on a new journey worthy of their era.

PROGRAM

1. The Fishermen’s Triumphant Song
   Percussion Medley
   Arranged by PKUCMI
   Performed by PKUCMI Chinese Orchestra

2. Galloping Warhorses
   Composed by Yaoxing CHEN
   Performed by Central Conservatory of Music
   Bowed Strings Band

3. Picking Red Water Chestnuts
   Arranged by Chunja YANG
   Performed by Central Conservatory of Music
   Bowed Strings Band

4. Dragon Boat
   Composed by Zijing CHEN
   Performed by Central Conservatory of Music
   Plucked Strings Band

5. Journey Beyond Xikou - Green Willow
   Arranged by Yuankai BAO
   Performed by PKUCMI Chinese Orchestra

6. Garden After Rain
   Composed by Wen-Cheng SU and Tsui-Ping CHENG
   Liuqin Solo by Mingxuan WANG
   Performed by PKUCMI Chinese Orchestra

7. Spring
   Composed by Leung-fai LO
   Performed by PKUCMI Chinese Orchestra

8. Winter
   Composed by Leung-fai LO
   Performed by PKUCMI Chinese Orchestra
YOUR HOSTS
The School of Electronics Engineering and Computer Science (EECS) is the largest school at Peking University with more than 390 faculty and staff members, 1300 undergraduate students, as well as 1300 Master/Ph.D. students.

We are proud of our world-class faculty who conduct outstanding teaching and cutting-edge research. As the team grows, we have seen an increasing number of not only leading senior scholars who have been renowned in their respective fields, but also young scholars who have shown great academic potential, specifically including 4 members of the Chinese Academy of Sciences (CAS), 2 members of the Chinese Academy of Engineering (CAE), 7 Fellows of the Institute of Electrical and Electronics Engineers (IEEE).

Nurturing leading professionals with an international outlook is one of our top goals. The School of EECS offers undergraduate/postgraduate programs in the areas of Computer Science and Technology, Electronics Science and Technology, Microelectronics, and Machine Intelligence. We give students flexibility in choosing their majors, and provide opportunities for custom-tailed education. According to the 2017 QS World University Rankings by Subject, we ranked 16th and 22nd at “Computer Science and Information Systems” and “Electrical and Electronic Engineering”, respectively.

The School of EECS has undertaken extensive research responsibilities with respect to basic research, as well as high-tech development and transformation. Since 2002, EECS has been in charge of more than 5300 research projects at both national and provincial levels. The School has received a total of about 3 billion RMB research funding. This not only helps to drive further progress within the School of EECS itself, but also helps to further foster interdisciplinary cooperation between EECS and other academic and/or industrial organizations, domestic and overseas.

During the past 15 years, both faculty and students at the School of EECS have made remarkable achievements which have profound influence worldwide. The School will continue its efforts to nurture young talents, to pursue excellence in education, and to take the lead in research by exploring new frontiers.

Founded in 1898, Peking University was originally known as the Imperial University of Peking. It was the first national university covering comprehensive disciplines in China, and has been a leading institution of higher education in China since its establishment. It also served as the highest administration for education at the beginning of its founding.

In 1912, the university adopted its present name. At the end of the 20th century, the Chinese government put Peking University at the top of its agenda for promoting higher education, with the aim to build a world-class university in the 21st Century. After merging with Beijing Medical University in 2000, Peking University once again was strengthened in its disciplinary structure.

Peking University has continually played the essential role of pioneers in the course of China’s modernization. The university’s traditional emphasis on patriotism, progress, democracy, and science, together with its educational standards of diligence, precision, factualism, and innovation, have been passed down from generation to generation.
Beijing is a glamorous city with a long history of more than 2,900 years. As China’s political, cultural and educational center, Beijing is a rapidly developing metropolis longing for various exchanges with other countries in this increasingly globalizing world.

Beijing is a hub of Chinese civilization and culture and boasts 7300 cultural relics and historic sites and more than 200 scenic spots. Traversing for several kilometers on lofty and rugged mountain ranges, the Great Wall is the only man-made structure that can be seen in the outer space. Noted for its undisturbed tranquility, the Summer Palace is a classic representative of royal gardens and summer retreats. Situated at the city’s heart, the Forbidden City is a fine embodiment of China’s long history and vibrant culture. Beijing is also well-known for its labyrinthine hutongs and square courtyards, which have become an integral part of this city after hundreds of years. This city has become a cultural monument with great vitality, encompassing great past glories and modern progress in economics, social systems, science and technology. Beijing also takes great pride in its cultural heritage and environment. Through adopting a strategy of sustainable development, this ancient city will display a brand-new image to the world.

Traditional Festivals

Spring Festival is the first day of the Chinese lunar new year. It is the most important, most featured and grandest traditional festival, and it has a history of over 4000 years. People eat dumplings, set off fireworks and pay visits to relatives and friends during Spring Festival. Due to the difference between the Chinese lunar year and the common calendar year, Spring Festival normally takes place in January or February.

Tomb Sweeping day is one of the most important sacrifice days, and it is the day when people sweep tombs and offer sacrifices to ancestors. Tomb Sweeping day is normally in early April. In this season, spring returns and the world is full of vigor; therefore people also go out to enjoy the beautiful scenery on Tomb Sweeping day.

Dragon Boat Festival is on the fifth day of the fifth month of the Chinese lunar year (in late June of the calendar year), and it has a history of over 2000 years. People eat rice dumplings and hold dragon-boat racing on this day.

Mid-autumn Festival is on the fifteenth day of the eighth month of the Chinese lunar year, and it is the second grandest traditional festival in China. People eat moon cakes and enjoy the beauty of the full moon during the Mid-autumn Festival.

Offering Food and Other Things

Chinese people are not accustomed to opening gifts on the spot when they receive gifts. Usually they would accept the gift and say “thank you” politely, but it does not mean that he/she does not love your gift.

In China, people would insist on the guest taking more food several times and then make sure that the guest indeed has had enough. This is different from other Western cultures.

Appellation Etiquette

Appellation is the way of addressing the targeted person politely. In Chinese schools, “laoshi” is a polite appellation. Professors and administrative officers are all addressed as “XX laoshi”, for instance, “Li laoshi”, “Sun laoshi”, etc. It is not polite to address people with their full name.
Host a Dinner vs. Go Dutch

Chinese people are warmhearted and hospitable. They love to invite their friends to dinner in restaurants. As a matter of fact, what people care about is not the delicious food but the fun of friends gathering together.

To host a dinner is another way of establishing and deepening friendship. People take turns to host dinners. It is considered impolite to be always invited to dinner and never host a dinner. Sometimes it happens in restaurants that people fall over each other to pay the bill. They seem to be fighting, but that is not a real fight.

In China, to go Dutch is not popular. Young people accept such a way of paying a bill. But if you invite Chinese friends to dinner, you’d better confirm with your friends beforehand whether it is your treat or you will go Dutch with each other.
THE JUDGES
Babak Behsaz  
GOOGLE  
World Finals judge since 2013  
I hope you enjoy the contest and problem set. Also, I wish for you to realize your potential and use this experience to achieve future success. Best of luck!

Michael Goldwasser  
SAINT LOUIS UNIVERSITY  
World Finals judge since 2015  
As for wishes I have for the contestants: First and foremost, my hope is that contestants celebrate their accomplishments in getting this far and have a wonderful experience. Of course, I also hope they find success in solving our problems!

Per Austrin  
KTH ROYAL INSTITUTE OF TECHNOLOGY, STOCKHOLM  
World Finals judge since 2008  
Here is a small hint about the problem set: hvs qcbhsg dfozqsag ofs bhogn og hvwq Qosgof qwvsf.

Walter Guttman  
UNIVERSITY OF CANTERBURY  
World Finals judge since 2011  
Every problem in our set has an answer, you can bet. Code it quick if you can find it, else move on and never mind it.

Jo Perry  
NORTH CAROLINA STATE UNIVERSITY  
Director of Judging since 2010  
World Finals judge since 1987  
Our aim as judges is to challenge you for 5 straight hours. We hope you will not only excel but also delight in that challenge. The best of luck and the best of times to all of you!

John Bonomo  
WESTMINSTER COLLEGE  
World Finals Chief Judge since 2010  
World Finals judge since 2002  
Enjoy yourself! Think about it: someone else has paid for you to travel around the world in order for you to do something you love. Opportunities like this don’t happen often, so make the most of it!
Man became selfish when he was convinced by the society to believe that he can only create copies biologically and not by disseminating knowledge. You are contestants today, but your ultimate job is to disseminate your knowledge to the upcoming generation, because in that way you can create your copies fast.

"Every Day is Contest Day". And I mean it. Most of you have been practicing daily to be where you are today. You deserve it. Don't be nervous, and don't worry about the scoreboard. Have fun, stay focused, and do what you do best!

As for "advice," I’d say "Never stop honing your skills!"

Meet people. Make friends. Have fun.
Bob Roos
RETIERED FROM ALLEGHENY COLLEGE
World Finals judge 1996-2012 & 2017

Meet and talk to as many people as you can! Take lots of photos! Tweet, post, and blog about your experiences! Be proud - after all, you worked hard to get here. But also be humble. Lots of people helped you--your teachers, your coaches, your teammates, and many, many others. Good luck in the contest, but remember that you're already a winner!

Matthias Ruhl
ACCOMPANY
World Finals judge since 1997

Good luck in the contest! Don't let the code bugs bite. And the best wishes for your future careers! This is an exciting time to be in computer science - learn as much as you can, build something great and change the world!

Jakub Wojtaszczyk
GOOGLE
World Finals judge since 2011

I wish for every one of you that this is only a start to achieving great things. Computer science is cool, because once you write a program, it can change the lives of billions of people without any extra work. So, a software engineer can change the world similarly to great inventors - by improving the lives of people they will never meet and never know. Skill at creating software is something that should be cherished and used - and I hope you all manage to make good use of it.

Stan Wileman
UNIVERSITY OF NEBRASKA - OMAHA
World Finals judge since 1979

I've been involved with the contest in many roles since the mid 1970s. And while the machines have certainly gotten faster since the punched card days, the problems have gotten much harder. It's ALWAYS the case that judges know the fastest (to date) algorithms to solve problems, and brute force is almost NEVER the best way (although...). Compilers can optimize your code only so much. Wouldn't it be nice if they could choose better algorithms for us?
THE TEAMS
Africa and the Middle East

Al Akhawayn University
alakhawayn.ma
Team name: The Losers: Pinky & The Brain
Mohammed Khalil At Brahim
Ahmed Amine Boustanli
Achraf Mamdouh
Coach: Mohamed Riduan Abid

Al-Baath University
albaath-univ.edu.sy
Team name: NoNameFoundException
Malek Hakki
Hussain Hussain
Marsi Zakour
Coach: Majd Akef

Al-Baath University
albaath-univ.edu.sy
Team name: Q(n)
Danier Jarrous
Maha Mhrez
Mahdi Qanas
Coach: Ghadeer Al Hasan

Alexandria University - Faculty of Engineering
eng.alexu.edu.eg
Team name: New Folder (1)
Essam AliNagar
Khaled Ali
Amr Mahmoud
Coach: Omar Mohamed Eissa

Arab Academy for Science and Technology (Alexandria)
aast.edu
Team name: The Old Guard
Walid Ghallab
Osama Hatem Sharafeldin
Abdelrahman Ramadan
Coach: Mohamed Abd El-Wahab

Cairo University - Faculty of Computers and Information
fci.cu.edu.eg
Team name: 1e-15
Self Gamal
Khaled Hamed
Amr Magdy
Coach: Mohammad Yasser

Damascus University
damascuniversity.edu.sy
Team name: Y1
Ahmad Gafer
Mohammad Shahhoud
Said Syhni
Coach: Ghassan Khazaal

Faculty of Computer and Information Sciences, Ain Shams University
cis.shams.edu.eg
Team name: Triple Dark Music
Mohamed Anany
Hossam Eissa
Mohamed Yosi Yehia Ahmed
Coach: Nour ElRashidy

Faculty of Engineering, Cairo University
eng.cu.edu.eg
Team name: WF Please
Ahmed Gamal
Omar Hashim
Mina Magdy
Coach: Mohamed Abd El-Wahab

German University in Cairo
met.guc.edu.eg
Team name: Legend Mode Activated
Ahmad Elsaghbeer
Ahmed Kamel
Omar Morsi
Coach: Slim Abdenadder

Higher Institute for Applied Sciences and Technology
hiast.edu.sy
Team name: Saiyan Squad
Farouk Hjabo
Nemane Jessri
Anas Kastantin
Coach: Nizar Zarka

Princess Sumaya University for Technology
psut.edu.jo
Team name: Aurora (PSUT)
Motasem AL-Kayed
Mohammed Abu Aboud
Hamza Zgha
Coach: Sufyan Almajali

Asia East

Beihang University
ev.buaa.edu.cn
Team name: Three Investigators
Xin Huang
Ziyan Liu
Jinghe Tang
Coach: You Song

Beijing Normal University
bnu.edu.cn
Team name: MilkCandy
Wenqi Sun
Ke Sun
Yaohui Zeng
Coach: Su Feng

Beijing University of Posts and Telecommunications
bupt.edu.cn
Team name: CodeMao_Gregtech
Ran Dong
HeXiang Pan
KaiChen Zhang
Coach: Ya Yang

Beijing University of Posts and Telecommunications
bupt.edu.cn
Team name: Aurore
Wenqi Sun
Ke Sun
Yaohui Zeng
Coach: Su Feng

Fudan University
fudan.edu.cn
Team name: Wood Cube
Xi Gao
Zhihao Ma
Donglian Tang
Coach: Weiwei Sun

Fuzhou University
fzu.edu.cn
Team name: Pachirisu
Mingxin Chen
Haohui Zheng
Peng Zou
Coach: Yanggeng Fu

Guangdong University of Technology
gdut.edu.cn
Team name: Travel_poorly
Xuanzhu Lin
Mingkai Tang
Fujiang Yang
Coach: Xiaodong Sun

Higher Institute for Applied Sciences and Technology
hiast.edu.sy
Team name: Saiyan Squad
Farouk Hjabo
Nemane Jessri
Anas Kastantin
Coach: Nizar Zarka

Princess Sumaya University for Technology
psut.edu.jo
Team name: Aurora (PSUT)
Motasem AL-Kayed
Mohammed Abu Aboud
Hamza Zgha
Coach: Sufyan Almajali

Tishreen University
tishreen.edu.sy
Team name: NCD#1
Zeinal Abeerin Ali
Fudail Hasan
Anas Khadoum
Coach: Hussain Kara Fallah

University of Pretoria
up.ac.za
Team name: AwesomeSource
Jaco Plooy
Brent Walsh
Ulrik de Muellenaere
Coach: Frank Christoph Stallmann

University of Pretoria
up.ac.za
Team name: AwesomeSource
Jaco Plooy
Brent Walsh
Ulrik de Muellenaere
Coach: Frank Christoph Stallmann

University of Pretoria
up.ac.za
Team name: AwesomeSource
Jaco Plooy
Brent Walsh
Ulrik de Muellenaere
Coach: Frank Christoph Stallmann

University of Pretoria
up.ac.za
Team name: AwesomeSource
Jaco Plooy
Brent Walsh
Ulrik de Muellenaere
Coach: Frank Christoph Stallmann
Asia West

Tokyo Institute of Technology
titech.ac.jp
Team name: ninjanbaton
Riki Fukunari
Mikto Ota
Takuto Yoshida
Coach: Yoshihiko Nakamura

Ulsan National Institute of Science and Technology
uniust.ac.kr
Team name: MDMA
Nazarbek Attabay
Bekzhan Bekbolatuly
Shaikhidin Nezamatdinov
Coach: Jaekik Choi

University of Computer Studies, Yangon
usc.edu.mm
Team name: Legendary Geek
Nanda Thant Sin
Myat Thu
Pyae Sone Win
Coach: Pau Suan Mung

Bangladesh University of Engineering and Technology
buet.ac.bd
Team name: BUET Dracarys
Md Riazul Islam Reaz
Tanmoy Mollick
Nazmul Rashid
Coach: Mohammad Kaykobad

Indian Institute of Technology - Delhi
iitd.ernet.in
Team name: Know_no_algo
Ronak Agarwal
Anant Chhajwani
Ankeet Gupta
Coach: Amit Kumar

Indian Institute of Technology - Kanpur
iitk.ac.in
Team name: LongTimeNoC
Saketh Ginuga
Swastik Sharma
Arjun Sinha
Coach: Surender Baswana

Indian Institute of Technology - Kharagpur
iitkgp.ac.in
Team name: TheVindicators
Mayank Khetan
Kandarp Kumar Pani
Pranjal Shankhdhar
Coach: Pawan Goyal

Indian Institute of Technology - Madras
iitm.ac.in
Team name: Supercalifragilistic
Kavitha Gopal
Kausik Raghavan
Dipak Ramesh
Coach: Rupesh Narre

Indian Institute of Technology - Patna
iiitp.ac.in
Team name: ButterRoti
Shaurya Gupta
Prateek Kamal
Bhavil Sharma
Coach: Arijit Mondal

International Institute of Information Technology - Bangalore
iiit.ac.in
Team name: Mochizuki
Simran Dokania
Shyam Komini Babu
Aditya Palwal
Coach: Muralidhara Vaddarachali Narasimha Moorthy

International Institute of Information Technology - Hyderabad
iiit.ac.in
Team name: TooWeakTooSlow
Vedant Cacilur Gopi
Tanuj Khattar
Rajas Mangesh Varjape
Coach: Saswata Shannigrahi

Karachi Institute of Economics & Technology

Team name: Binary 01
Syed Bilal Hassan Riaz
Ahlan Iqbal
Fawad Mahmood
Coach: Amin Akhter
Europe

Charles University in Prague
cuni.cz
Team name: MFF
Filip Bielas
Richard Hladik
Václav Volhejn
Coach: Zdenek Dvorak

École Normale Supérieure de Paris
ens.fr
Team name: ENS Ulm
Rafael Bocquet
Nathanail Courant
Tomas Rigaux
Coach: Hadrien Barral

ETH Zürich
ethz.ch
Team name: rETHink toGETHer
Fabian Lyck
Simon Andreas Meinhard
Daniel Rutschmann
Coach: Kieran Nirkko

Jagiellonian University in Krakow
uj.edu.pl
Team name: Jagiellonian
Vladyslav Hmibotakiy
Franciszek Stokowacki
Michal Zielinski
Coach: Pawel Idziak

Lviv National University
franko.lviv.ua
Team name: LNU Algotesters
Tanya Chaka
Andri Makar
Mykhailo Pylyp
Coach: Vitalii Herasymiv

Scuola Normale Superiore
sns.it
Team name: SNS Pisa
Filippo Baroni
Federico Glaudio
Francesco Milizia
Coach: Giovanni Paolini

University of Bucharest
unibuc.ro
Team name: Echipa Lacheta
Lucian Bicci
Andrei Popa
Alexandru Velea
Coach: Mihai Calancea

University of Cambridge
cam.ac.uk
Team name: Me[N]tall.ca
Dimitrije Erdejan
Marko Stankovic
Dušan Živanović
Coach: Petar Velčković

University of Helsinki
helsinki.fi
Team name: Ukkonem Fan Club
Hannes Ihalainen
Kalle Luopajärvi
Antti Röyskö
Coach: Tuukka Kartonen

University of Oxford
ox.ac.uk
Team name: Tractor_Specialists
George Chichirim
Andrei-Costin Constantinescu
Tamio-Vesa Nakajima
Coach: Mihail Jianu

University of Warsaw
uw.edu.pl
Team name: Warsaw Eagles
Kamil Dębowski
Mateusz Radecki
Marek Sommer
Coach: Jan Ryzzard Madey

Utrecht University
uu.nl
Team name: We put the pro in programming
Freek Henstra
Jorke de Vlas
Mike de Vries
Coach: Ragnar Groot Koerkamp

Uzhgorod National University
uzhnu.edu.ua
Team name: UzhNU_push --force
Roman Melnyk
Roman Rubanenko
Yevhen Zadorozhni
Coach: Oleksandr Mtsia

Latin America

Facultad de Ciencias-Universidad Nacional Autónoma de México
fciencias.unam.mx
Team name: PU++
Luis Enrique Chacón Ochoa
Jorge Fernández Hidalgo
Santiago Ley Flores
Coach: Manuel Alcantara Julárez

ITESM Campus Queretaro
qro.itesm.mx
Team name: Pragma
Guillermo Salvador Barrón Sánchez
Fabian Gomez Gonzalez
Iván Alejandro Soto Velázquez
Coach: Pedro Pérez
<table>
<thead>
<tr>
<th>Team</th>
<th>University</th>
<th>City</th>
<th>Coach</th>
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<tr>
<td><strong>Instituto Militar de Engenharia</strong></td>
<td>Universidad Nacional de Colombia - Bogotá</td>
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<td>Diego Said Niquea Velasquez</td>
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<tr>
<td>Team name:</td>
<td>UNtechwyf</td>
<td>Daniel Augusto Cañeres Salas</td>
<td>Víctor Gabriel Ramírez Caballero</td>
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<tr>
<td><strong>Pontificia Universidad Católica Madre y Maestra</strong></td>
<td>Universidad Nacional de Córdoba - FaMAF</td>
<td>FAMAF</td>
<td>Gracias Demetrio</td>
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<tr>
<td>Team name:</td>
<td>Firefox</td>
<td>Michael González</td>
<td>Angel González</td>
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<tr>
<td><strong>Pontificia Universidad Católica del Perú - FCI</strong></td>
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<td>Jesús Espino</td>
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<td>Daniel Enrique Cordovés Borroto</td>
<td>Ruddly Guerrero Álvarez</td>
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<td>Team name:</td>
<td>Super Pollos</td>
<td>Satoru Díaz Nakada</td>
<td>Samuel Nacache</td>
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<td>TicotBits</td>
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<td>Team name:</td>
<td>CMU1</td>
<td>Raymond Kang</td>
<td>Yiquan Wang</td>
</tr>
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<td>Universidad de Oriente - Sede Antonio Maceo</td>
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<td>Carlos Andriés Arias Londoño</td>
<td>Yelferson Gaitán Gómez</td>
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<td>Pablo Astudillo</td>
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</tbody>
</table>

**North America**

**Carnegie Mellon University**

- Team name: CMU1
- Raymond Kang
- Yiquan Wang
- Andrew Yang
- Coach: Danny Sleator

**Colorado School of Mines**

- Team name: SAMurai MASTers
- Matthew Baldwin
- Samuel Reiner
- Allee Zarrini
- Coach: Jeffrey Paone
University of Maryland  
csu.umd.edu  
**Team name:** University of Maryland  
Mohammad Amin Ghiasi  
Ramasesai Tadepalli  
Jason Zou  
**Coach:** Mohammadtaghi Hajiaghayi

University of Wisconsin - Madison  
wisc.edu  
**Team name:** Holocene  
Changlian Sun  
Yuxin Sun  
Sichao Yang  
**Coach:** Dieter van Melkebeek

Virginia Tech  
ca.vt.edu  
**Team name:** EvilSort  
Adam Barth  
Daniel Moyer  
Eric Williamson  
**Coach:** Godmar Back

Washington University in St. Louis  
wustl.edu  
**Team name:** Iridium  
Zachary Glick  
Sam Heil  
Zuhan Xiahou  
**Coach:** Dennis Cosgrove
### Northern Eurasia

**Belarusian State University**  
bsu.by  
**Team name:** BelarusianSU 2  
Yahor Dubovik  
Fedar Karabenikau  
Kanstantsin Vicheuski  
**Coach:** Vladimir Kotov

**Kazakh-British Technical University**  
kbtu.kz  
**Team name:** Kazakh-British TU 1  
Zharaskhan Aman  
Alan Amanov  
Nurlan Zhussupov  
**Coach:** Askar Akshabayev

**Moscow Aviation Institute**  
mai.ru  
**Team name:** MAI #1: Patatyte Guitary  
Oleg Mingaliev  
Alexander Mokin  
Ivan Trofimov  
**Coach:** Valentin Zaytsev

**Moscow Institute of Physics & Technology**  
mipt.ru  
**Team name:** Moscow IPT Cryptozoology  
Alexander Golovanov  
Aleksandr Ostanin  
Nikita Uvarov  
**Coach:** Mikhail Tikhomirov

**Moscow State University**  
msu.ru  
**Team name:** Moscow SU Red Panda  
Mikhail Ipatov  
Vladislav Makeev  
Grigory Reznikov  
**Coach:** Elena Andreeva

**National Research University Higher School of Economics**  
mipt.ru  
**Team name:** Bluebell  
Timur Iskakov  
Igor Kraskевич  
Aleksandr Zimin  
**Coach:** Aleksei Daniluk

**Novosibirsk State University**  
nsu.ru  
**Team name:** Novosibirsk SU  
Pavel Smirnov  
Nikolay Viktorov  
Roman Vishnevskiy  
**Coach:** Vadim Zaytsev

**Perm State University**  
psu.ru  
**Team name:** Perm SU: Fire Mind  
Mikhail Lizunov  
Alexandr Tsaplín  
Sergey Tsaplín  
**Coach:** Yuriy Aydarov

**Saratov State University**  
sgu.ru  
**Team name:** Saratov SU 2  
Ivan Androsov  
Adilbek Dalabaev  
Roman Glazov  
**Coach:** Michael Mirzayanov

**St. Petersburg Academic University**  
spbau.ru  
**Team name:** SPb SU 1: Methods of Reality  
Tatyana Belova  
Aleksandr Fedorov  
Dmitriy Sayutin  
**Coach:** Anna Kopelovich

**St. Petersburg ITMO University**  
en.ifmo.ru  
**Team name:** SPb ITMO University 1  
Ivan Belonogov  
Mikhail Putilin  
Ilya Zban  
**Coach:** Andrey Stankevich

**St. Petersburg State University**  
eng.spbu.ru  
**Team name:** SPb SU 3  
Aleksandr Logunov  
Vladislav Makarov  
Pavel Savchenkov  
**Coach:** Andrei Lopatin

**University of Latvia**  
lu.lv  
**Team name:** LU 2  
Kristaps Cvikulis  
Vladislavs Klēvīks  
Nikita Larka  
**Coach:** Guntis Arnicans

**University of Tartu**  
ut.ee  
**Team name:** UT 1: Vertex Cover  
Oliver-Matis Lill  
Oliver Nisuma  
Andres Unt  
**Coach:** Yauhen Yakimienka

**Ural Federal University**  
ustu.ru  
**Team name:** Ural FU: Kek  
Kirill Borodzin  
Vladimir Leskov  
Nikita Sivukhin  
**Coach:** Oleg Merkurev

**Vilnius University**  
vu.lt  
**Team name:** VU #1  
Domantas Jadenkus  
Justas Klimavičius  
Darius Kurtinaitis  
**Coach:** Vaidas Tumasonis
AWARDS
The ICPC Foundation Outstanding International Contribution Award

Presented to

for serving as a principal partner and ICPC global leading academic institution for drawing together community, industry, and academia to secure and assure the success of the 2018 ICPC World Finals as the premier computing science event celebrating the 120th anniversary of Peking University and science in China.

The ICPC Foundation Outstanding International Service Award

is presented to an individual or group that has played an instrumental role in the success in advancing the art and science of competitive programming through support of the International Collegiate Programming Contest.

Children and Youth Science Center of CAST

for serving as a principal partner and advocate for the 2018 ICPC World Finals by drawing together community, industry, and academia to secure the resources and support that will open doors of opportunity for students in science, mathematics and technology, in China and globally.

The ICPC Foundation Outstanding International Service Award is presented to an individual or group that has played an instrumental role in the success in advancing the art and science of competitive programming through support of the International Collegiate Programming Contest.
The 2018 ICPC Foundation presents the
First Alumni Sponsor Award

Presented to

Mr. Rui GUO
Peking University
Class of 1990

for stepping forward as an individual to become the first alumni sponsor of the 2018 World Finals hosted by Peking University on this the 120th anniversary of Peking University and science in China.

The ICPC Foundation ICPC Alumni Award is presented to an individual or group that has played an instrumental role in the success of the International Collegiate Programming Contest World Finals and strengthening global commitment to develop consummate problem solvers among the next generation of university graduates.

The 2018 ICPC Foundation
Mark Measures Distinguished Service Award

Presented to

Wenxin LI
Peking University

for ICPC leadership in Asia since 2001, organizing regional competitions; championing the art and science of competitive programming among universities in China; engaging community and leadership locally, within the city of Peking, and throughout China, in support of ICPC programs; and for her global leadership and indefatigable devotion to producing the 2018 ICPC World Finals as a premier event of the 120th anniversary of Peking University and science in China.

In service and spirit, Wenxin LI embodies the ideals of the ICPC.
She serves as the 2018 World Finals Director.

The Mark Measures Distinguished Service Award Is presented annually to a volunteer who has played an instrumental role in the success of the International Collegiate Programming Contest for fifteen or more years.
The 2018 ICPC Foundation
Joseph S. DeBlasi
Outstanding Contribution Award

Presented to

The ICPC Organizational Team at Peking University

for building PKU’s globally recognized academic program in competitive programming program; for providing training and educational services to the global community and uplift for gifted students prior to college, for organizing many Asia regional contests; and for organizing the 2018 ICPC World Finals as a premier event of the 120th anniversary of Peking University and science in China.

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.

The 2018 ICPC Foundation
Global Service Award

Presented to

2018 ICPC GLOBAL SPONSOR
ICPC Gold Medal Patron of the ICPC Foundation

for their unparalleled generosity and commitment to encourage youth to pursue excellence in problem solving; and as ICPC Global Sponsor, assuring the success of the 2018 ICPC World Finals as the premier computing science event celebrating the 120th anniversary of Peking University and science in China.

The ICPC Foundation Global Service Award is presented to an individual or group that has played an instrumental role in the success of the International Collegiate Programming Contest World Finals.
The 2018 ICPC Foundation
Global Sponsor Award

Presented to

2018 ICPC GLOBAL SPONSOR
ICPC Gold Medal Patron of the ICPC Foundation

JetBrains

for serving as ICPC global programming tools sponsor;
for providing outstanding programming tools for the ICPC global community;
for sponsoring the 2017 regional contests;
for their generous support for the 2018 World Finals;
and/or their generosity to the ICPC community.

The ICPC Foundation Global Sponsor Award is presented for
global contributions to the success of the International Collegiate Programming Contest
global community in keeping with the mission of the ICPC Foundation to
advance the art and the sport of competitive programming.

The 2018 ICPC Foundation
Gold Medal Local Partner Award

Presented to

SenseTime

for stepping forward to assist and recognize PKU as a leading ICPC global university and source of
extraordinary talent by serving as a Gold Medal Local Partner for the 2018 World Finals hosted by
Peking University on this the 120th anniversary of Peking University and science in China.

The ICPC Foundation ICPC Global Medal Local Partner Award is presented to a group,
institution, or company that has played an instrumental role in the success of
one International Collegiate Programming Contest World Finals and thereby
strengthening global commitment to develop consummate problem solvers among
the next generation of university graduates.
The 2018 ICPC Foundation
Gold Medal Local Partner Award
Presented to

Kuaishou Technology

for stepping forward to assist and recognize PKU as a leading ICPC global university and source of extraordinary talent by serving as a Gold Medal Local Partner for the 2018 World Finals hosted by Peking University on the 120th anniversary of Peking University and science in China.

The ICPC Foundation ICPC Global Medal Local Partner Award is presented to a group, institution, or company that has played an instrumental role in the success of one International Collegiate Programming Contest World Finals and thereby strengthening global commitment to develop consummate problem solvers among the next generation of university graduates.

The 2018 ICPC Foundation
Global Impact Award
Presented to

Arab Academy for Science, Technology and Maritime Transport

for leadership uniting the leading academic institutions throughout North Africa and the Middle East to empower the next generation of problem solvers in the computing sciences and engineering.

In eight years, participation has grown from 66 teams from 27 universities to 1036 teams from 191 universities with 9 country-level competitions advancing to a spectacular finals, the ACPC.

The ICPC Global Impact Award is presented to an individual or group that has played an instrumental role in the growth of the International Collegiate Programming Contest World Finals.
The 2018 ICPC Foundation
James Comer Distinguished Regional Contest Director Award

C. Jinshong Hwang
Texas State University

For advancing excellence in the software arts by serving as Director of Asia Contests since the inception of the role. Dr. Hwang's leadership has contributed 40% of the participation in the ICPC globally.

The James Comer Distinguished Regional Contest Director Award is presented annually to ICPC regional leaders who have played instrumental roles in the success of the International Collegiate Programming Contest for twenty or more years.

The 2018 ICPC Foundation Asia Distinguished Leadership Award

Presented to

Anand Shenoi
Gu Aijun
Kiyoshi Ishihata
Lizhi Zhang
Nguyen Long
Normaziah A. Aziz
Sandesh Gupta
Wandong DING
Xuefeng Jiang
Yen Lina Prasetio

in recognition of service to the communities, industry, academia, and students of computing sciences and engineering in Asia through strengthening the ICPC throughout Asia

The Asia Leadership Award is presented to an individual, group, or institution who has played an instrumental role in advancing international educational programs that open doors of opportunity for future opportunity creators, and doing so within the open, encouraging ICPC spirit and problem-solving ideals of the ICPC Community.
The 2016 Asia Leadership Award

Presented to

Abul L. Haque  Amarin Deemagarn  Jingshan Yu  Katsuhiko Kakehi  Kyung Yong Chwa

in recognition of service to the communities, industry, academia, and students of computing sciences and engineering in Asia through strengthening the ICPC throughout Asia

Distinguished Leadership in Asia

The Asia Leadership Award is presented to an individual, group, or institution who has played an instrumental role in advancing international educational programs that open doors of opportunity for future opportunity creators, and doing so within the open, encouraging spirit and problem-solving ideals of the ICPC Community.

2018 ICPC Foundation
Lifetime Coach Award (20+ Years)

Krzysztof Diks
University of Warsaw

Why do you continue coaching ICPC teams?

The ICPC is a great contest. It touches the core of computer science, i.e. algorithmics and programming. Coaching ICPC teams means shaping not only students’ technical skills but also developing important social attributes such as: diligence, constant striving for self-development, self-discipline, hunger for knowledge, self-improvement, ability to work in a team, honesty, ambition, eagerness to compete, hunger for success. And last but not least, coaching is simply fun for me.
Chris Gouge
University of Central Florida

Why do you continue coaching ICPC teams?

There’s something about competition that inspires people to hard work and commitment. I love seeing students motivated to push beyond their perceived boundaries and achieve levels they previously thought impossible. This is a lesson that they can take with them into all aspects of their lives. I hope that my coaching helps them to conquer challenges and make the world a better place.

Kamran Bavar
Sharif University of Technology

Why do you continue coaching ICPC teams?

As a coach, I greatly enjoy being able to work with the brightest and most dedicated students. It is very rewarding to guide the students and see them grow throughout the competition. I also enjoy designing and thinking about the problems, and we have a lot of fun organizing regional contests.

Danny Sleator
Carnegie Mellon University

Why do you continue coaching ICPC teams?

There are many reasons that I have continued my involvement in ICPC for so many years. First of all, this activity is of great value to students. Training for ICPC involves learning a wide range of classic algorithm design and programming techniques. It also fosters a deeper and more creative kind of thinking about algorithms. Independent of participating in ICPC, these skills are useful to students both during their college years and after. I also enjoy solving these problems myself!

David Kempe
University of Southern California

Why do you continue coaching ICPC teams?

There are several reasons. A simple one is that - like many other (former) contest participants, I'm a competitive person, and I want my university to do well competing against the best in the world. Someone has to help make that happen, and it might as well be me (and my wonderful co-coaches). But at another level, I also think that contests - local, regional, and global - are a great way to challenge our top students. A degree program at a university is necessarily designed to appeal to a wide spectrum of students, and while most of our students are very, very good, the truly exceptional students often don’t find clear avenues to be genuinely challenged and pushed. Local contests and training for later stages is one of the great ways of challenging those students, while teaching them really useful problem solving techniques. Indeed, many great students have distinguished themselves in our contests, and subsequently found great fits in research projects with myself or my colleagues. This "talent identification" benefit to me is at least as important as the contest itself.
Yuriy Aydarov
Perm State University

Why do you continue coaching ICPC teams?

I continue coaching ICPC teams because the number of participants grows, and there's more and more work to do. Both our medals are unforgettable, and it is the greatest lesson that luck comes when you are prepared for opportunity. More than 50 people from Perm State University have participated in regionals; more than a dozen have advanced to the World Finals. It is really the club of the best programmers in the area. They continue to do incredible things and excel professionally. My advice to other coaches and contestants is to network as much as possible.

Heon Young Yeom
Seoul National University

Coach Yeom has brought teams to the World Finals in 2010, 2011, 2012, 2015, 2017 and this year 2018 makes the 6th time!

Taisook Han
KAIST

How have you seen ICPC affect your life and/or your students' lives?

I have been working for the Daejeon Regional Contest as staff and a coach since 1999. It is quite valuable experience to understand the role and spirit of ACM ICPC. Even though many KAIST teams have participated in the World Finals, it is my sixth appearance as a coach, of which I am very proud. But I am more proud of my service to the Daejeon Regional Contest as staff for 18 years, which always motivates me to serve as a coach and encourage my students to participate in ACM ICPC. As a coach, my role is planning team practice schedules and motivating them continuously to refresh from tiredness and boredom. I wish to be a good coach and provide expertise in algorithms and problem solving.

Godmar Back
Virginia Tech

How have you seen ICPC affect your life and/or your students' lives?

Having been a 1995 World Finalist myself, I took a long break from the ICPC while I pursued my academic career. In 2012, I was given the chance to start coaching at Virginia Tech. Since then, I've been lucky enough to help many really talented students grow successfully. In 6 years, we have grown a program from very little to now hosting our own ICPC regional site. I am looking forward to many more years of coaching.
Chunying Liu
Hangzhou Dianzi University

How have you seen ICPC affect your life and/or your students’ lives?

I have been an ICPC coach for 14 years. I am so lucky to have entered the world of ICPC. ICPC not only gave me a chance to train some excellent students, but also gave me a chance to enjoy customs and landscapes all over the world. More importantly, it gave me a chance to grow alongside my students. I hope more and more students participate in this contest.

Aleks Ignjatovic
University of New South Wales

Why do you continue coaching ICPC teams?

Coaching our ICPC teams is by far the most enjoyable part of my job as an academic at the University of New South Wales. I believe I get much more from my students than what they get from me; after each interaction with them I feel rejuvenated and motivated to do a good job as a teacher. Their enthusiasm for problem solving is pure and infectious; every moment with them is refreshing and enchanting. I feel privileged to be their coach, and even after they graduate I stay in touch with them and enjoy their successes as the best computer scientists at top companies and universities.
LOCAL INFORMATION
Contest Venues

University Hall
Opening and Closing Ceremonies will be held in Peking University Hall, the 2000+ seat massive performance hall built to celebrate the 100-year birthday of Peking University. Covering more than 5,600 square meters, this spacious venue is the biggest multifunctional complex among universities and colleges in China, with advanced establishment and complete functionality. It hosts a varied array of cultural events that attract a huge crowd after time. Students and art-lovers from all over the city congregate for a slice of the cultural offerings available at this venue.

Khoo Teck Puat Gymnasium
Peking University’s Khoo Teck Puat Gymnasium is an indoor arena that was originally constructed for the 2008 Summer Olympics. With 26,900 m² of floor space and room for 6,000 permanent seats and 2,000 temporary seats, this gym is the first in the world specifically designed for table tennis. Built in an architectural style called "China Ridge" to reflect the spirit of sports, the gym was remodeled to meet international and domestic needs: major sporting events and other large-scale events.

China National Convention Center (CNCC)
The celebration dinner will be held at CNCC. It officially opened in October 2009 for its originally intended function – providing international standard, purpose-built convention and exhibition facilities. The Center was an important element in the overall plan for the 2008 Beijing Olympic Games when it served as the main press center and international broadcasting location as well as providing the venue for fencing and pistol shooting competitions. CNCC is ideally located in the heart of the Olympic Green adjacent to the National Stadium (Bird Nest), the National Aquatics Center (Water Cube) and the National Indoor Stadium – all of which are proving popular places for people to visit in post Olympic Games times.

Hotels

Sheraton Grand Beijing Dongcheng Hotel
Address: 36 North Third Ring Road East, Dongcheng District, Beijing 100013, China
Tel. (86 10) 5798-8888
Soak up the vibrant energy of China’s capital at the Sheraton Grand Beijing Dongcheng Hotel. Strategically located in the northeast part of Beijing and merely 25 minutes from Beijing Capital Airport, our hotel is the perfect jumping-off point for discovering Beijing’s iconic destinations such as the Great Wall, Summer Palace, Forbidden City, Olympic Bird’s Nest, Lama Temple and the ancient dwellings and alleys at Wudaoying hutongs.
Learn more, see more and do more every time you stay at Sheraton. Settle in one of our warm and inviting guestrooms and suites or simply relax and enjoy the panoramic sunset view in our Sheraton Club. Stay fit at our 24-hour access state-of-the-art Fitness Center, rejuvenate in our indoor lap pool or work smart with Wi-Fi and dynamic meeting spaces. After a long day of exploring, savor a fresh take on our distinct food and beverage venues offering local and international flavors from Chinese to Italian or Japanese fares to regional and western dishes.

Marco Polo Parkside, Beijing
Address: 78 Anli Road, Chaoyang District, Beijing 100101, China
Tel. (86 10) 5963-6688
Centrally located in the prime business district of Yayuncun, the 315-room Marco Polo Parkside Beijing is two kilometers away from the some of the city’s most vibrant and recognizable landmarks, such as the China International Convention Centre, Beijing International Convention Centre, the 4,000 acres Olympic Park, the “Bird’s Nest” Stadium and the “Water Cube” Aquatics Centre, and the China National Science Centre. Accessible by a quick 25-minute drive from the Beijing International Airport and only a five-minute walk to the Line 5 subway station, Marco Polo Parkside Beijing is also in between two major food streets - Yayuncun Food Street and Jinquan Food Plaza, catering to every taste and palate with over 100 restaurants for you to choose from. The hotel is also easily accessible to key commercial and IT zones such as Zhongguancun and Wangjing IT zone.
Crowne Plaza Beijing Zhongguancun

Address:
No. 106 Zhi Chun Road, Haidian District, Beijing 100086, China
Tel. (86 10) 5993-8888

China’s Silicon Valley - Zhongguancun is a technology hub in Haidian district, Beijing. Crowne Plaza Beijing Zhongguancun, the first five-star international hotel in the Zhongguancun area, opened on 19th September 2008. The hotel is ideally located within walking distance to the subway and with easy access to 3rd and 4th ring roads. With its convenient location, upscale facilities, and professional service, Crowne Plaza Beijing Zhongguancun will truly assist you in “Travelling For Success” as you find yourself surrounded by famous high-tech companies such as Microsoft, Sohu, Lenovo, and China Steel and neighboring renowned institutions Peking University, Tsinghua University, and Renmin University; Yuanminyuan and Summer Palace are all also nearby.

Each of the Hotel’s 298 guestrooms and suites offers panoramic city views and a vast spectrum of amenities, including high-speed internet access, a mini-bar, an electronic safe, a natural light bathroom with a separate rain forest shower stall, a 37-inch flat screen LCD television and generous floor space starting at 45 square meters.
THANK YOU
2018 World Finals ICPC Volunteer Delegations

Analytics & Graphics

Tim deBoer  
ICPC Graphics

Iakov Dlugach  
ICPC Analytics

Stein Norheim  
ICPC Analytics Director

Monika Steinova  
ICPC Analytics

David Sturgill  
ICPC Graphics

Michal Svagerka  
ICPC Analytics

CLi Symposium

William Booth  
CLi Symposium Director

Donna Furon  
North America Southern California - Registrar and General Factotum

Marc Furon  
Regional Contest Problem Sharing Coordinator

Felix Halim  
ACM - ICPC Live Archive

Miguel A Revilla  
ACM - ICPC Live Archive

Miguel Revilla Rodriguez  
ACM - ICPC Live Archive

Vinícius Andrade  
ACM - ICPC Live Archive

Stephen Bourne  
North American Invitational Programming Contest - Director

Kevin Clevenger  
ICPC Ceremonies Coordinator

ICPC Events

Andrej Slovák  
ICPC Events Co-director

Laura Gladwish  
ICPC Events

Zara Hemmings  
ICPC Events

ICPC Live

Vitalii Aksenov  
ICPC Live

Roman Elizarov  
Northern Eurasia Chief Judge and ICPC Live Director

Anna Evseeva  
ICPC Guest

Pavel Krotkov  
ICPC Live - Software

Egor Kulikov  
ICPC Live Commentator and ICPC Analytics

Mikhail Kutsov  
ICPC Live

Pavel Mavrin  
ICPC Live Art Director

Niyaz Nigmatullin  
ICPC Live

ICPC Services

Robert Cepa  
ICPC Services

Tomáš Černý  
ICPC Headquarters Lead Developer

Michael Eamma  
ICPC Services

Antonin Smid  
ICPC Services

Ruolin Wang - ICPC Services

ICPC Staff

Roy Andersson  
ICPC Director of Regional Contests

Helén Augustini  
Regional Contest Symposium Assistant

Erich Baker  
ICPC Headquarters

Evgeny Barskiy  
ICPC Volunteer

James Bennighof  
Baylor University Vice Provost for Academic Affairs and Policy

Stephen Bourne  
ACM President Emeritus and ICPC Director of Ceremonies

Kevin Clevenger  
ICPC Ceremonies Coordinator

James Comer  
Director of Regional Contests Emeritus

Marjene Comer  
ICPC Manager Assistant

Joseph DeBlasi  
ICPC Awards Committee

Jeff Donahoo  
ICPC Deputy Executive Director and Executive Director of World Finals Contests

Lisa Donahoo  
ICPC Contest Manager

Taylor First  
ICPC Ceremonies

Aleksandr Galperin  
ICPC Operations

Lucy GuO  
ICPC Industry Advisory Board

Jennifer Hobbs  
ICPC Volunteer

Mark Hobbs  
ICPC Volunteer

Sharon Humphrey  
ICPC Registrar

Patrick Hynan  
ICPC Deputy Director of Operations

Matvei Kazakov  
ICPC Director of Operations

Muhammed Ibkal KAZAR  
ICPC Industry Advisory Board

Ben Kelley  
ICPC Chief Marshal

Sofya Kondrashina  
ICPC Operations and Ceremonies

Dmitry Korolev  
ICPC Volunteer

Jan Madey  
ICPC Advisor

Susan McNealy-Minor  
ICPC Ceremonies

Karen Moawad  
ICPC Volunteer

Doug Mohr  
ICPC Industry Advisory Board

Vladimir Novakovski  
ICPC Industry Advisory Board

Betty Orooji  
ICPC Volunteer

William Poucher  
ICPC Advisor

Marsha Poucher  
ICPC Volunteer

Wally Poucher  
ACM - ICPC Executive Director and ICPC Foundation Director

Maddy Renström  
ICPC Guest Services Assistant

Mikael Renström  
ICPC Director of Guest Services

Laura Sepanski  
ICPC Assistant Manager

Mark Sepanski  
ICPC Headquarters

Cheryl Tucker  
ICPC Registrar Assistant

Holly Tucker  
ICPC Registrar Assistant

Egle Ulijas  
ICPC Manager Assistant
ICPC Africa and the Middle East Contest Directors

Faisal Abou Khzam  
Lebanese Collegiate Programming Contest - Director

Mousa Alrefaeh  
Palestinian Collegiate Programming Contest West Bank Contest - Director

Mohammed Al-Badawi  
Oman Collegiate Programming Contest Contest - Director

Jafar Alkheir  
Syrian Collegiate Programming Contest Contest - Director

João Manuel de Azevedo Leão  
Angolan ICPC Headquarters - Executive Director

Yousry Elgamal  
Arab Collegiate Programming Contest - Steering Committee Chair

Diaa Alhak El Fallous  
Moroccan Collegiate Programming Contest - Director

Ahmed Abdelrazek  
Arab Collegiate Programming Contest - Chief Judge

Ashraf Ahmad  
Arab Collegiate Programming Contest - Levant Area Chair and Jordan Delegation

MarieBelle Alhab  
Arab Collegiate Programming Contest - ERCD Assistant in Lebanon

Nourhane Bziouech  
Arab Collegiate Programming Contest - Systems

ICPC Africa and the Middle East Contest Support & Future World Finals Delegations

Ahmed Aly  
Arab Collegiate Programming Contest - Chief Judge

Anagheem Alnagm Azzam  
Arab Collegiate Programming Contest - ERCD Assistant in Damascus

Tarek Barakat  
RCD Representative in Syria

Maha Ben Abdallah  
Arab Collegiate Programming Contest - Deputy ERCD in Tunisia

Hani Chaaban  
Tishreen University President

Yonna Darwich  
Arab Collegiate Programming Contest Guest Relations - Director

Hughes Degla  
West Africa Contests - Deputy Director

Asmae EL MAHDI  
Arab Collegiate Programming Contest - Maghreb Area Coordinator

Ahmed El-sayed  
Arab Collegiate Programming Contest - System Administrator
Amal Fayed
Arab Collegiate Programming Contest - Deputy ERCD in Gulf Area

Mustafa Fayed
Kuwait Collegiate Programming Contest - Operations

Mohamed Fayed
Arab Collegiate Programming Contest - Headquarters

Rudolf Fleischer
Gulf Area Representative

Mounir Fikha
RCD Representative in Tunis

Mustpha Hamza
Maghreb Area Chair

Representative in Tunis

Maher Kabakibi
Damascas University President

Abdelrahman Mostafa
Arab Collegiate Programming Contest - Director of Operations

Ibrahim Salah
Arab Collegiate Programming Contest - Operations

Sam Obossa TOSSOU
Benin Contest Organization Manager

Tomás Orlando Junco Vázquez
Angolan ICPC - Assistant Director and Havana Delegation

Normaziah Abdul Aziz
Asia Council Member

Kyar Nyo Aye
Asia Yangon Committee

Jun Cao
Asia Shanghai Committee

Doojin Choi
Asia Daejeon Advisor

Kyung Yong Chwa
Asia Daejeon Committee

Wandong Ding
Asia Beijing Committee & WF Delegation

Bilkis Jamal Ferdosi
Asia Dhaka Coordinator and Dhaka Delegation

Xuesong Fan
Asia Beijing Committee & WF Delegation

Guojie Luo
Asia Beijing Committee & WF Delegation

Pau Suan Mung
Asia Yangon Coordinator

Sheng-Lung Peng
Asia Taipei Committee

Wei Wu
Asia Shanghai Coordinator

Min-Zheng Shieh
Asia Taipei Committee

Nam Tran Quy
Asia Hanoi Coordinator

Shiyuan Wang
Asia Shenyang Coordinator

Qi Wang
Asia EC-Final Committee Member

Anita Wu
Beijing Didi Infinity Technology and Development Co., Ltd. - IMC Manager

Wei Wu
Asia Shanghai Coordinator

Rie Shigetomi Yamaguchi
Asia Yokohama Committee

Rudolf Fleischer
Gulf Area Representative

Ali Akbar Ahmad
Asia Kabul Director

Fangming Bi
Asia Xuzhou Coordinator

Prabir Kumar Biswas
Asia Kharagpur Director

Jamilur Choudhury
Asia Dhaka RCD & UAP Chancellor & Dhaka Delegation

Joydip Dhar
Asia Gwalior Director

Mohammad Ghodsi
Asia Tehran Director

Alijun Gu
Asia Shanghai Coordinator

Phalguni Gupta
Asia Kolkata-Kanpur Director & Asia Associate Director

Steven Halim
Asia Singapore Director

Yen Lina Prasetio
Asia Jakarta Director

Anand Shenoi
Asia Amrattapuri Associate Director

Shingo Takada
Asia Yokohama Director

Phuong Tu
Asia Hanoi Director

TaeCheon YANG
Asia Daejeon Director

C Jinshong Hwang
Asia Super-Regional Director

XueFeng Jiang
Asia EC-Final Coordinator & Asia Associate Director

Katsuhiko Kakehi
Asia Super-Region Associate Director

Nabeel Khan
Asia Lahore Director

Minming Li
Asia Hong Kong Director

Wenzin Li
Asia Beijing RCD & Asia Associate Director & WF Delegation

Jaremsri Mitranont
Asia Nakhon Pathom Director

Khine Moe Nwe
Asia Yangon Director

Lizhi ZHANG
Asia Shenyang Director

Xuehui ZHANG
Asia Qingdao Coordinator

Chunran Zou
Asia Nanjing Coordinator

Nabeel Khan
Asia Lahore Director

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Asia Dhaka Coordinator and Dhaka Delegation

Xuesong Fan
Asia Beijing Committee & WF Delegation

Wei Guo
Asia Beijing Committee & WF Delegation

Sandesh Gupta
Asia Kolkata-Kanpur Committee

Bernard Gunawan Hadipoespto
Asia Jakarta Advisor & CEO Binus Uvl.

Abul Haque
Asia Dhaka Associate Director

Kiyoshi Ishihata
Asia Yokohama Senior Consultant

Felix Jingga
Asia Jakarta Committee

Don Khue Le
Asia Hanoi Committee

Kyungmi Lee
Asia Daejeon Committee

DongMei Li
Asia Provincial/National/Invitational Contest Coordinator

Junrui Liu
Asia EC-Final Committee Member

Zhongke Li
Asia EC-Final Committee Member

Guojie Luo
Asia Beijing Committee & WF Delegation

Pau Suan Mung
Asia Yangon Coordinator

Sheng-Lung Peng
Asia Taipei Committee

Wei Yan
Asia EC-Final Committee Member

Boyang YANG
Asia EC-Final Advisor

Yao Yao
Asia EC-Final Committee Member

Yunli Yang
Asia Beijing Committee & WF Delegation

Jingshan Yu
Asia Council Member

Hamid Zarrabi-Zadeh
Asia Tehran Associate Director

Liyin Zheng
Asia Qingdao Committee Member

ICPC Asia East, Asia Pacific & Asia West Contest Directors and Representatives

ICPC Asia East, Asia Pacific & Asia West Contest Support & Future World Finals Delegations

Enqiang Qin
Asia EC-Final Advisor

Liyan Zheng
Asia Qingdao Committee Member

Amal Fayed
Arab Collegiate Programming Contest - Deputy ERCD in Gulf Area

Mustafa Fayed
Kuwait Collegiate Programming Contest - Operations

Mohamed Fayed
Arab Collegiate Programming Contest - Headquarters

Rudolf Fleischer
Gulf Area Representative

C Jinshong Hwang
Asia Super-Regional Director

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Asia EC-Final Coordinator & Asia Associate Director

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Asia Lahore Director

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Asia Hong Kong Director

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Asia Yokohama Director

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Asia Hanoi Director

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Asia Daejeon Director

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Yao Yao
Asia EC-Final Committee Member

Yunli Yang
Asia Beijing Committee & WF Delegation

Jingshan Yu
Asia Council Member

Hamid Zarrabi-Zadeh
Asia Tehran Associate Director

Liyin Zheng
Asia Qingdao Committee Member
### ICPC Europe Contest Directors

<table>
<thead>
<tr>
<th>Name</th>
<th>Role</th>
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<tbody>
<tr>
<td>Hugo Abreu</td>
<td>Porto Delegation</td>
</tr>
<tr>
<td>Vitalii Bondarenko</td>
<td>Ukraine Delegation</td>
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<tr>
<td>Carlos Brito</td>
<td>Porto Delegation</td>
</tr>
<tr>
<td>James Davenport</td>
<td>Northwestern Europe Regional Contest - Director</td>
</tr>
<tr>
<td>Václav Herman</td>
<td>Europe CTU Open - Organizer</td>
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</table>

### ICPC Europe Contest Support & Future World Finals Delegations

<table>
<thead>
<tr>
<th>Name</th>
<th>Role</th>
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</thead>
<tbody>
<tr>
<td>José Paulo Leal</td>
<td>Porto Delegation</td>
</tr>
<tr>
<td>Krešimir Malnar</td>
<td>Central Europe Regional Contest - Advisor</td>
</tr>
<tr>
<td>Volodmyr Mesyura</td>
<td>Europe Vinnytsia Site Director &amp; Ukraine Delegation</td>
</tr>
<tr>
<td>Bertrand Meyer</td>
<td>Southwestern Europe Regional Contest - Deputy Director</td>
</tr>
<tr>
<td>Serhii Petrov</td>
<td>Ukraine Delegation</td>
</tr>
<tr>
<td>Fernando Silva</td>
<td>Portugal</td>
</tr>
<tr>
<td>Natia Zaruka</td>
<td>Northern Eurasia Georgia</td>
</tr>
<tr>
<td>Lenka Zeranov</td>
<td>Europe Contests - Assistant</td>
</tr>
</tbody>
</table>

### ICPC Northern Eurasia Contest Directors

<table>
<thead>
<tr>
<th>Name</th>
<th>Role</th>
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<tbody>
<tr>
<td>Magaz Asanov</td>
<td>Northern Eurasia Eastern Subregional Contest - Director</td>
</tr>
<tr>
<td>Gennadi Desiatkov</td>
<td>Northern Eurasia Kyrgyzstan Subregional Contest - Director</td>
</tr>
<tr>
<td>Vahram Dumanyan</td>
<td>Northern Eurasia Armenia Subregional Contest - Director</td>
</tr>
<tr>
<td>Alexander Klenin</td>
<td>Northern Eurasia Far Eastern Subregional Contest - Director</td>
</tr>
<tr>
<td>Elena Kryuchkova</td>
<td>Northern Eurasia Siberian and Far-Eastern Site - Director</td>
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</tbody>
</table>

### ICPC Northern Eurasia Contest Support & Future World Finals Delegations

<table>
<thead>
<tr>
<th>Name</th>
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<tbody>
<tr>
<td>Artem Belyaev</td>
<td>Northern Eurasia Kyrgyzstan Subregional Contest - Operations Director</td>
</tr>
<tr>
<td>Iuri Dedenev</td>
<td>Novosibirsk Delegation</td>
</tr>
<tr>
<td>Antonina Fedorova</td>
<td>Northern Eurasia Southern Subregional Contest - Director</td>
</tr>
<tr>
<td>Mikhail Fedoruk</td>
<td>Novosibirsk University Rector - Novosibirsk Delegation</td>
</tr>
<tr>
<td>Darya Galeeva</td>
<td>Kazan Delegation</td>
</tr>
<tr>
<td>Aleksandr Ipatov</td>
<td>Northern Eurasia Ural Subregional Contest - Strategy Director</td>
</tr>
<tr>
<td>Kamil Khadiev</td>
<td>Kazan Delegation</td>
</tr>
<tr>
<td>Olga Korobeinikova</td>
<td>Novosibirsk Delegation</td>
</tr>
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</table>

### ICPC Latin America Contest Directors

<table>
<thead>
<tr>
<th>Name</th>
<th>Role</th>
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</thead>
<tbody>
<tr>
<td>José Enmanuel Amaya Araujo</td>
<td>Latin America/Central America - El Salvador Contest Director</td>
</tr>
<tr>
<td>Ricardo Andi</td>
<td>Latin America Deputys Super-Region Director</td>
</tr>
<tr>
<td>Rodrigo Cardoso</td>
<td>Latin America/South America/North - Director &amp; Colombia Contest - Director</td>
</tr>
</tbody>
</table>

### ICPC Latin America Contest Directors

<table>
<thead>
<tr>
<th>Name</th>
<th>Role</th>
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<tbody>
<tr>
<td>Carlos Alberto Fernandez Guillot</td>
<td>Latin America/Mexico - RCD and Mexico Contest Director</td>
</tr>
<tr>
<td>Carlos Ferreira</td>
<td>Latin America/Brazil Contest - Director</td>
</tr>
</tbody>
</table>
ICPC North America Contest Directors

- Ivona Bezakova
  Northeast North America - Director

- Robert Kramer
  North America East Central - Director

- William Alex Pimentel Sossa
  Latin America/South America - Director & Bolivia Contest - Director

- Edward Corwin
  North America Mid-Central - Director

- Roberto Solís Robles
  Latin America/Mexico - Gran Prix Site - Director

- Maung Htay
  North America Mid-Atlantic - Director

ICPC North America Contest Support & Future World Finals Delegations

- Ian Barland
  Ian Barland - North America Mid-Atlantic - Assistant Director

- John Buck
  North America Greater New York Contest - Chief Judge

- Jaime Cabrera
  North America Southern California - Assistant Director

ICPC South Pacific Contest Directors

- Raewyn Boersen
  South Pacific Contests - Advisor and Sydney Delegation

- Malcolm Conrey
  South Pacific Contests - Director

ICPC South Pacific Contest Support & Future World Finals Delegations

- Angelina McMenamin
  Sydney Delegation

- Richard White
  Sydney Delegation
# 2018 World Finals Host Volunteer Delegations

## Host Leaders

<table>
<thead>
<tr>
<th>Name</th>
<th>Role</th>
<th>Department or Office</th>
</tr>
</thead>
<tbody>
<tr>
<td>白丹丹</td>
<td>Dandan Bai</td>
<td>Overseas Exchange Center, PKU</td>
</tr>
<tr>
<td>白化荣</td>
<td>Huarong Bai</td>
<td>Peking University Hall</td>
</tr>
<tr>
<td>毕思晖</td>
<td>Minghui Bi</td>
<td>School of Arts, Peking University</td>
</tr>
<tr>
<td>赵静</td>
<td>Lu Cao</td>
<td>Security Department, Peking University</td>
</tr>
<tr>
<td>陈俊好</td>
<td>Junhao Chen</td>
<td>School of EECS, Peking University</td>
</tr>
<tr>
<td>陈萍</td>
<td>Ping Chen</td>
<td>Computer Center, Peking University</td>
</tr>
<tr>
<td>陈永平</td>
<td>Yongli Chen</td>
<td>Peking University Communist Youth League Committee</td>
</tr>
<tr>
<td>陈玉超</td>
<td>Yunchao Chen</td>
<td>Publicity Department, Peking University</td>
</tr>
<tr>
<td>崔建</td>
<td>Jian Cui</td>
<td>Computer Center, Peking University</td>
</tr>
<tr>
<td>丁宇平</td>
<td>Wanzong Ding</td>
<td>Computer Center, Peking University</td>
</tr>
<tr>
<td>杜德华</td>
<td>Dehua Du</td>
<td>Department of Power Supply, PKU</td>
</tr>
<tr>
<td>赵春</td>
<td>Chun Fan</td>
<td>Computer Center, Peking University</td>
</tr>
<tr>
<td>候向东</td>
<td>Xiadong Hou</td>
<td>Department of Power Supply, PKU</td>
</tr>
<tr>
<td>范雪松</td>
<td>Xuesong Fan</td>
<td>Computer Center, Peking University</td>
</tr>
<tr>
<td>冯悦</td>
<td>Zhiyue Fang</td>
<td>Security Department, Peking University</td>
</tr>
<tr>
<td>付中南</td>
<td>Zhongnan Fu</td>
<td>Computer Center, Peking University</td>
</tr>
<tr>
<td>窦春</td>
<td>Song Gao</td>
<td>Peking University</td>
</tr>
<tr>
<td>焦少</td>
<td>Shu Geng</td>
<td>Peking University Education Foundation</td>
</tr>
<tr>
<td>王文东</td>
<td>Wendong Gong</td>
<td>Office of the President</td>
</tr>
<tr>
<td>郭俊玲</td>
<td>Junling Guo</td>
<td>Publicity Department, Peking University</td>
</tr>
<tr>
<td>郭强</td>
<td>Qiang Guo</td>
<td>Computer Center, Peking University</td>
</tr>
<tr>
<td>郭伟</td>
<td>Wei Guo</td>
<td>School of EECS, Peking University</td>
</tr>
<tr>
<td>侯琳</td>
<td>Lin Hou</td>
<td>School of EECS, Peking University</td>
</tr>
<tr>
<td>尉伟</td>
<td>Baozhu Li</td>
<td>Peking University Hall</td>
</tr>
<tr>
<td>李杰</td>
<td>Jie Li</td>
<td>Department of Power Supply, PKU</td>
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<tr>
<td>李榕</td>
<td>Rong Li</td>
<td>Overseas Exchange Center, PKU</td>
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<tr>
<td>李庭晏</td>
<td>Tingyan Li</td>
<td>Peking University Communist Youth League Committee</td>
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<tr>
<td>李宇宁</td>
<td>Yuning Li</td>
<td>Peking University Education Foundation</td>
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<td>Zhong Li</td>
<td>Department of Power Supply, PKU</td>
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<td>廖安</td>
<td>An Liao</td>
<td>Security Department, Peking University</td>
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<tr>
<td>刘健</td>
<td>Jianhua Lin</td>
<td>Peking University</td>
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<td>刘国林</td>
<td>Xueyang Ling</td>
<td>Office of the President</td>
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<td>Overseas Exchange Center, PKU</td>
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<tr>
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<td>Xinliu</td>
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</tr>
<tr>
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<td>Shouan Liu</td>
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<tr>
<td>刘晓娜</td>
<td>Xiaona Liu</td>
<td>Overseas Exchange Center, PKU</td>
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<tr>
<td>刘昕果</td>
<td>Xinguo Liu</td>
<td>Overseas Exchange Center, PKU</td>
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<tr>
<td>刘阳</td>
<td>Yang Liu</td>
<td>Children and Youth Science Center of CAST</td>
</tr>
<tr>
<td>刘俊林</td>
<td>Junlin Lu</td>
<td>School of EECS, Peking University</td>
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<tr>
<td>刘双举</td>
<td>Shuanggui Liu</td>
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<td>Yao Lu</td>
<td>Computer Center, Peking University</td>
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<td>刘璐</td>
<td>Ling Luo</td>
<td>Office of International Relations, PKU</td>
</tr>
<tr>
<td>刘洋</td>
<td>Yang Liu</td>
<td>Peking University Televison</td>
</tr>
<tr>
<td>刘志勇</td>
<td>Hao Ma</td>
<td>Computer Center, Peking University</td>
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<td>Zhiyong Ma</td>
<td>Department of Power Supply, PKU</td>
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<tr>
<td>孙红</td>
<td>Hong Sun</td>
<td>Office of Financial Affairs</td>
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<td>孙健国</td>
<td>Jianguo Sun</td>
<td>School of EECS, Peking University</td>
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<td>Wensheng Ran</td>
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<tr>
<td>王春</td>
<td>Hongwei Xia</td>
<td>Office of International Relations, PKU</td>
</tr>
</tbody>
</table>
Host Volunteers

白荻 Di Bai
白帆 Fan Bai
白亦臻 Yizhen Bai
包慧语 Huiyu Bao
包立新 Lixin Bao
毕宛婧 Rengjing Bi
边慧琦 Huiqi Bian
卞雨晗 Yuhan Bian
曹国良 Guoliang Cao
曹路 Lu Cao
曹芃 Peng Cao
曹胜操 Shengcao Cao
曹元屹 Yiyi Cao
曾依雯 Yiwen Zeng
常昊婧 Haojing Chang
常可 Ke Chang
常兆心 Zhaoxin Chang
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