

## 2016 World Finals Phuket



**acm** International Collegiate  
Programming Contest

**IBM**<sup>®</sup>

event  
sponsor

## ACM-ICPC World Finals



Prince of Songkla University

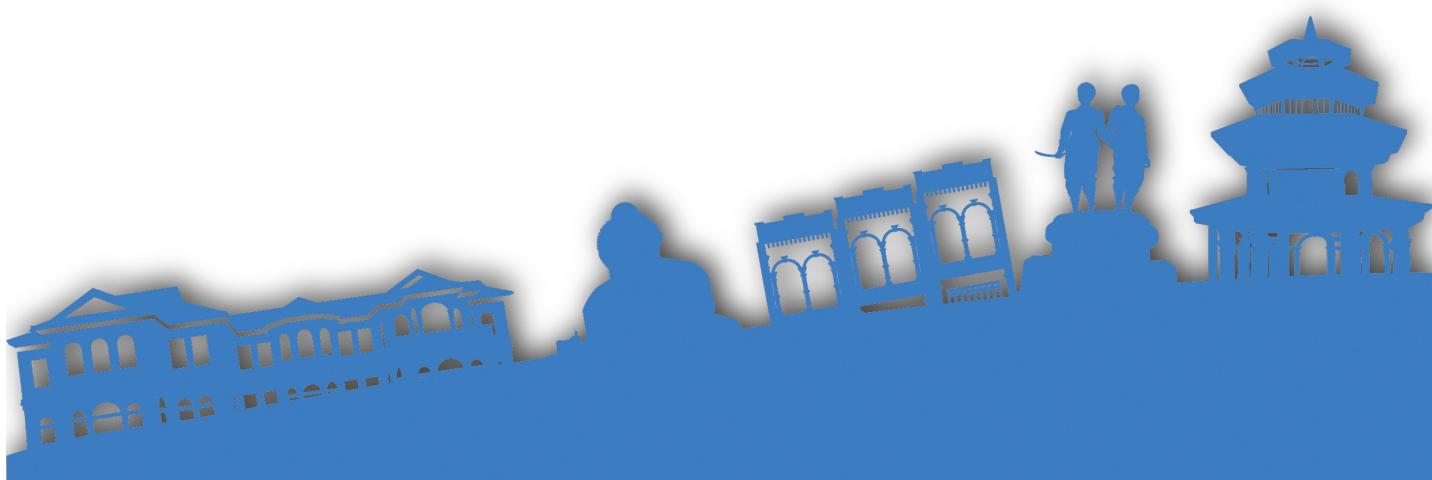


Phuket Town, a view from Rung Hill



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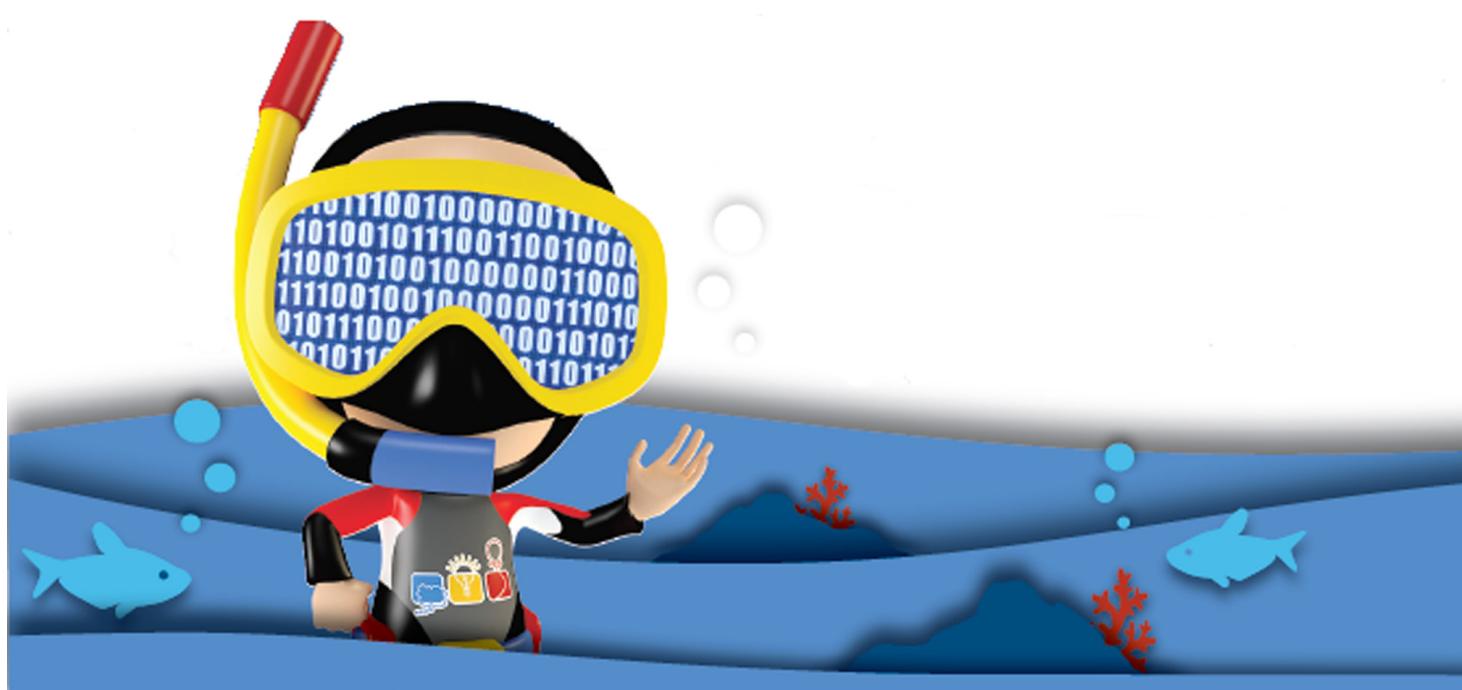
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Phuket Town, a view from Rung Hill

# Welcome Letters



# Welcome from The Prime Minister



On behalf of the Royal Thai Government, I am pleased to welcome all the participants of the 2016 Association for Computing Machinery-International Collegiate Programming Contest (ACM-ICPC) World Finals. I would also like to congratulate Prince of Songkla University for organizing and hosting this international competition, which I am confident, will promote a fruitful exchange of ideas and experiences, as well as many international friendships.

The promotion of science and technology as well as research and development have been key undertakings by the Royal Thai Government throughout a number of policies, particularly in education, economic reform, and in public services. Thailand, therefore, looks forward to the opportunity to host an international event such as the ACM-ICPC, as it can inspire leading innovators and scholars, as well as encourage the development of the science of programming for the benefit and well-being of all global citizens.

As the participants of this international contest join with their Thai counterparts in the beautiful island of Phuket, I would like to take this opportunity to wish the 2016 ACM-ICPC World Finals every success.

General *Prayut Chan-o-cha* (Ret.)  
**Prayut Chan-o-cha**

Prime Minister of the Kingdom of Thailand



# Welcome from The Minister of ICT



Dear guests of the 2016 ACM-ICPC World Finals,

On behalf of the Ministry of ICT, it is my great pleasure and honor to welcome you all to the 40<sup>th</sup> Annual World Finals of the ACM International Collegiate Programming Contest hosted in Phuket, for the first time in Thailand.

It is a great opportunity for our country to receive the top students in programming and IT-related participants from all over the world in this oldest and most prestigious programming contest. The ministry of ICT is glad to contribute to the organizing of the event in collaboration with the host university (Prince of Songkla University) through our subordinate organizations, namely SIPA (Software Industry Promotion Agency) and CAT Telecom. We provide our services and internet infrastructure to meet the requirements of the organizer to accomplish a successful World Finals contest.

In the domain of ICT, I can guarantee you that Thailand is one of the most promising countries in the region. We continuously promote and encourage cooperation, domestically and abroad, in order to have efficient and comprehensive development and usage of information and communication technology in all sectors. Our main missions are to promote and support the research and development of information and communication technology for increasing the potential and competitiveness of the information and communication technology industry of our country. We are also driving our country into a Digital Economy in which highly skilled IT professionals are the crucial elements.

I really hope that the ACM-ICPC World Finals contest organized in Phuket this year will be the great event that attracts and excites the curiosity of IT students, academia, and the general public. Furthermore, this event will encourage and inspire the young generation of programmers in Thailand and worldwide.

Finally, for all participants, please accept my sincere compliments for having made it to the World Finals in Thailand this year. I wish you really enjoy the event and have good memories from your brief stay in Phuket.

A handwritten signature in black ink, appearing to read "Uttama Savanayana".

**Uttama Savanayana**

Ph.D.

Minister of Information and Communication Technology



# Welcome from Phuket Governor



Dear participants of the 2016 ACM-ICPC World Finals,

On behalf of the Phuket Provincial Government, it is my great honor to welcome you all to the 2016 ACM-ICPC World Finals held in the City of Phuket. We are proud to receive participants from all over the world to this world class programming competition in Phuket. This is the first time that such an event takes place in Thailand and in the region of Southeast Asia. Phuket City supports Prince of Songkla University and its partners in hosting this prestigious programming contest.

As Phuket City is constantly developing towards the future, we are also proud that Phuket is selected as a pioneer city to initiate the Smart City project in Thailand. We aim to be one of the leading IT cities in the region. We believe that our ICT infrastructure will meet the expectations of ICPC organizers and participants in order to make it a successful event.

As the city of Phuket is one of the most popular tourist destinations, I am confident that all participants will enjoy our variety of sites, foods and cultures. Finally, for all participants, please accept my sincere compliments for having made it to the World Finals in Phuket and I wish you a very good time during the event. I hope you bring back the best memories from your brief stay in Phuket and come back to visit us again one day.

A handwritten signature in blue ink, appearing to read "Chamroen Tipayapongtada".

**Chamroen Tipayapongtada**  
Phuket Governor

# Welcome from 2016 World Finals Director



Dear ICPC World Finals guests,

On behalf of Prince of Songkla University, the host of the 2016 ACM-ICPC World Finals, we are truly honored that our university was chosen to host the prestigious and the oldest programming contest and it is indeed my great pleasure to welcome all of ICPC participants to this event held in Phuket.

Prince of Songkla University has been contributing to the ICPC community since 2009 by initiating and organizing ACM-ICPC activities in local, national and Asia regional levels. PSU also collaborates with SIPA (Software Industry Promotion Agency) and leading universities in Thailand to develop the ICPC community and to improve student programming skills in order for them to compete with other talented students in the region.

PSU has gained the trust of the ICPC Executive Director Prof. Bill Poucher to host the 2016 ACM-ICPC World Finals with standby support from the ICPC Asia Director Prof. C. J. Hwang even though PSU's involvement in the ICPC community was relatively new. We are grateful for the confidence we have received and we have worked our best as the World Finals host to accomplish the required tasks in conjunction with ICPC staff and partners. PSU also has local partnerships in both the government sector and the private sector that I would like to gratefully and sincerely thank for their kind support.

For such a high-level competition as the ICPC World Finals, PSU is deeply proud to welcome a large number of participants from top institutions around the world in this beautiful Phuket Island. We have put great efforts to prepare the event and make sure that the event will run smoothly and impress all participants.

On behalf of Host staff volunteers and student volunteers, we wish you all the best of luck!

A handwritten signature in black ink that reads "Ch. Limsakul".

**Chusak Limsakul**

President of Prince of Songkla University  
2016 World Finals Director



# Welcome from ICPC Executive Director



Welcome to the 40<sup>th</sup> Annual ACM International Collegiate Programming Contest World Finals sponsored by IBM and hosted by Prince of Songkla University. We have partnered with the UPE Honor Society, ACM, and IBM to provide you with the finest possible experience here in Phuket, Thailand, at the LeMeridien Phuket Beach Resort and Mövenpick Resort & Spa Karon Beach Phuket.

The ACM-ICPC World Finals culminates the efforts of faculty and students from 2,736 universities in 102 countries that placed 40,266 students in teams of three at 481 regional sites worldwide. The top 128 teams have advanced to the World Finals. Congratulations to the 2016 World Finalists and all who have made this possible!

This year's World Finalists have earned the right to compete for further recognition. They outperformed 99% of the finest programmers from six continents who challenged them to do their best. So here they are, champions all, with the opportunity to earn medals – bronze, silver, and gold – while vying to make the "2016 World Champions" prove their worth!

There are so many stars visible in the ICPC Community. UPE has served for 46 years, ACM has served for 40 years, and Baylor University has served for 33 years. Over the 19 years of IBM sponsorship, the ICPC has expanded participation by over 1600%! Clearly, IBM is #1!

Consider the Measures Award recipient, John Bonomo, World Finals Chief Judge. Behind closed doors, his efforts have been key to nearly two decades of World Finals problem sets.

Consider the DeBlasi Award recipients, Amarin Deemagarn, Seksun Suwanmanee, Petcharat Suriyachai, Sangsuree Vasupongayya, Anant Choksuriwong, Wasimon Panichpattanakul, and Pracha Asawateera. Their efforts on behalf of competitive learning and the ICPC have enriched the education and opportunity of students throughout Southeast Asia, making Prince of Songkla University a leading ICPC university and host of the 2016 World Finals.

Here we are in Phuket, the Pearl of the Andaman Sea, in the beauty that is Thailand – the people and the land in harmony with passion and persistence to discover and build a future that bridges past millennia with the first century of the Information Age. We stand together to build the strength of mind, character, programming skills, and problem-solving prowess that will open doors of opportunity and prosperity for future generations.

Led by World Finals leadership, President Chusak Limsakul, Amarin Deemagam, Seksun Suwanmanee, and Jeff Donahoo, the 2016 ICPC World Finals volunteers have made ready an extraordinary experience for all. Let's join them as we look forward to the 2016 World Finals whose medals are forged in the crucible of judges' problems and the finest 128 teams ever!

Best Wishes!

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

P.S. Do you see that cool logo right over there? ⇒ Join.

I did. The ACM doors are open.



# Welcome from IBM



It gives me great pleasure, on behalf of IBM, to welcome you to beautiful Phuket, Thailand for the 40<sup>th</sup> Annual ACM International Collegiate Programming Contest (ICPC) World Finals! IBM is proud to sponsor the world's largest and most prestigious programming competition for the best and brightest students.

We have 128 teams of talented students from the world's best universities and colleges on site. Congratulations to the team members on qualifying for this year's world championship. I know that it has taken a lot of hard work and dedication to get here and you should all be very proud of your accomplishment.

To coaches and regional contest and site directors who devote so much of their personal time and effort in support of the ICPC, I welcome you and sincerely thank you for your passion, dedication and commitment to developing the next generation of technology leaders.

I would like to recognize and thank the ICPC leadership and their staff of volunteers, our hosts from Prince of Songkla University, the 2016 World Finals Directors and their staff of volunteers, and members of Team IBM who have all been working very hard over the past year to make this week a memorable one for all of you.

While we are all focused primarily on the world championship competition that will take place on Thursday, the organizers have put together a fun-filled week of activities for you to enjoy. I urge you to take advantage of the many opportunities to meet and network with other participants and academic, technical and business leaders who have gathered here with you at the Finals. Many long-lasting friendships began at an ICPC World Finals, and we hope that you will continue this tradition as active members of the ICPC family.

Of course, the highlight of the week for me, and for all of my IBM colleagues, will be the main competition event on Thursday. We also look forward to spending time with you during the IBM Tech Trek presentations on Tuesday and throughout the week in our Chill Zone. Along with games and activities, there will be some interesting demos featuring our Bluemix and Watson applications that I'm sure you will enjoy. Our HR representatives will be there to discuss job opportunities at IBM for those who are interested in internships or full time employment.

After months of preparation, the 2016 ACM-ICPC World Finals is finally here! Be proud of what you have already accomplished. Try to get as much as you can out of this extraordinary life experience. Relax and have a lot of fun this week. The memories that you will make during this exciting and momentous time will remain with you forever!

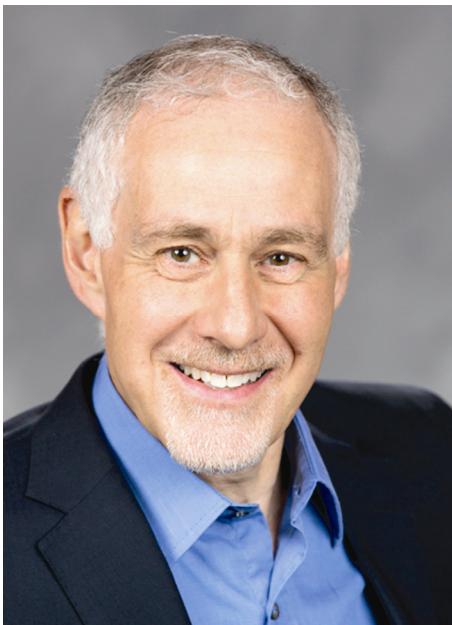
I wish you all the best of luck.

A handwritten signature in black ink, appearing to read "Gerry Lane".

**Gerry Lane**  
ACM-ICPC Sponsorship Executive  
IBM Director, IBM Open Technologies & IP



# Welcome from ACM



Welcome to the 40<sup>th</sup> ACM International Collegiate Programming Contest (ICPC) World Finals. ICPC is recognized around the world as the premier venue for encouraging and developing young programming talent. Although cast in the terms of a “contest”, the emphasis on team building and team success means that it is more about building relationships and comradery than it is about competition. The friends found and lessons learned in the context of ICPC will last a lifetime.

ACM is deeply grateful to the Baylor University team, the ICPC headquarters, and to Prince of Songkla University for hosting this year's event. I would especially like to express our gratitude to IBM for its continued commitment to the ICPC. On behalf of ACM, I also thank UPE, the international honor society for computing and information disciplines, for its long-standing support of the ICPC program. And, without the dedication and sacrifice of team coaches, we could not be here today.

ACM is very pleased to extend free student memberships to all student participants in the ICPC, with the highest privileges given to you, the 2016 World Finalists.

Practitioners, researchers, and students in our discipline demonstrate their professionalism and commitment by becoming members of ACM. I welcome each of you, personally, as you join your many colleagues and mentors who already make the ACM the largest and most important international professional society in computing.

I wish each of you well in the World Finals and success in your chosen careers. And may the best team win!

Sincerely,

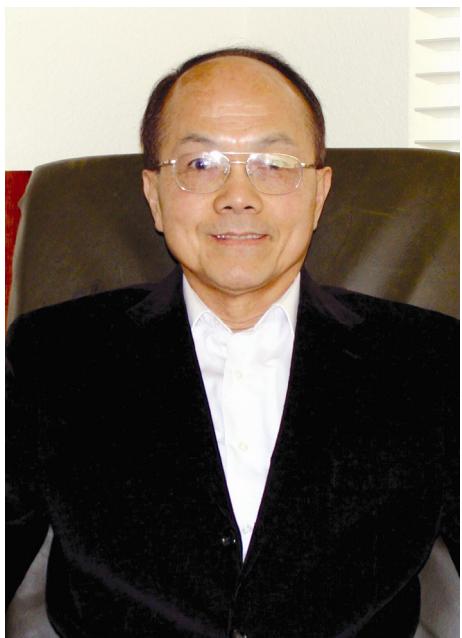
A handwritten signature in blue ink, appearing to read "Alexander L. Wolf".

**Alexander L. Wolf**

ACM President



# Welcome from UPE



On behalf of UPE, I welcome you to the 2016 ICPC World Finals, a truly exciting time for UPE. For those of us in UPE, the most important aspect of this competition is the luxury of being able to interact with the world's best and brightest students in the computing and information disciplines. In addition, it is always a privilege to meet new friends and experience the beauty and excitement of Phuket, one of the finest tourist destinations in Asia.

UPE would like to recognize and say a big Thank You to the hundreds of ICPC volunteers who are here this week, and especially to those who have served as ICPC volunteers for several years. The success of this event is assured because of individuals from the academic and computing communities who serve as team coaches, regional directors, and contest event supporters. We also wish to thank personnel from IBM, Baylor University, ACM, and the ICPC support staff. Finally, UPE wishes to express our gratitude to our host, the Prince of Songkla University, and especially their faculty, staff, and students who are here to insure that all of us will have a wonderful and memorable stay in Thailand.

A handwritten signature in cursive script, appearing to read "Orlando".

**Orlando S. Madrigal**

Ph.D.

Executive Director of UPE



# Welcome from Baylor



Dear ICPC participants,

It's my great pleasure to welcome you on behalf of Baylor University to the 40<sup>th</sup> Annual ACM International Collegiate Programming Competition World Finals.

Please accept our heartiest congratulations to those of you whose hard work has been rewarded by having qualified to compete as contestants and coaches. At the same time, we want to express our deep appreciation to those of you who have offered your expertise, time, and energy to administer this competition and to make all the myriad additional arrangements for the event.

We're privileged to collaborate this year with Prince of Songkla University, and we're very thankful to all of the individuals at this institution for their hospitality and for all the resources that they have committed to making this event a wonderful experience for all involved. We always treasure the opportunity to nurture new acquaintances and relationships with partners in education such as yourselves.

Baylor is gratified to have had the opportunity to serve ICPC for 33 years. This undertaking is distinctly consonant with our specific institutional mission "to educate men and women for worldwide *leadership and service*." The skills and aspirations cultivated by the ICPC, throughout all levels of competition and culminating with the World Finals, address exactly these goals: not only are students inspired to *lead* as they develop the ability to solve programming challenges, but, even more importantly, they are challenged to solve the types of problems that can *serve* the needs of people throughout the world and enhance their ability to flourish.

I'm glad to be able to extend our best wishes, to all of you who have gathered here, for a deeply rewarding time of competition and fellowship in Phuket.

A handwritten signature in black ink, appearing to read "JB".

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

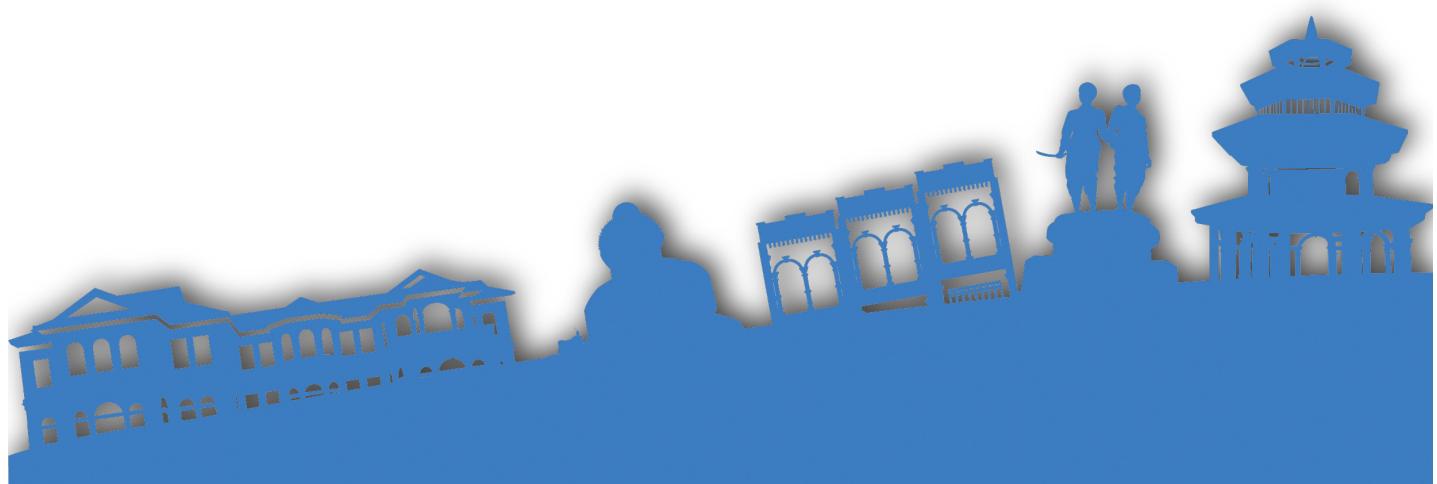
Phrom Thep Cape



A clock tower on top of the former police station in Phuket Old Town



# Welcome to Phuket



# Phuket Information

Phuket is one of the most internationally well-known and popular islands. Phuket, known as “the Pearl of the Andaman Sea” for its unique combination of the sea and mountains, has many fine, white, sandy beaches beside the deep blue sea as well as fascinating history and mixed cultures such as Sino-Portuguese architecture, local traditions, living styles and food.

Due to its rich natural reserves, the island has always been economically important, especially on the ancient east-west maritime trade route. Ever since early times, it has attracted and been influenced by explorers, traders and visitors from as diverse places as India, Persia, Arabia, Sri Lanka, China, Portugal and Siam.

During the 16<sup>th</sup>, 17<sup>th</sup> and 18<sup>th</sup> Centuries, tin came into Phuket's economic equation and attracted the Dutch, French, British, Portuguese and Japanese for the possibilities of controlling the strategically important Malacca Straits, using Phuket as a base. After the Burmese wars during the 18<sup>th</sup> and 19<sup>th</sup> centuries, tin mining boomed. So did the number of Chinese immigrants and their rise to regional power. After the decline of tin mining and World War II, Phuket transformed into a popular tourist destination.

Just as in the old days, Phuket still plays host to foreigners. The island receives millions of visitors each year and it holds a special place in the heart of millions more who have tasted its hospitality, witnessed Phuket's natural splendor and enjoyed its unique culture. To many people, Phuket is seen as a paradise of the South where visitors can chill out, relax and get close to the beautiful nature.

## Activities in Phuket

Any time of year, whether it's raining or shining, Phuket's great advantage is that there is always something to do on and off the island. The range of activities and places to visit is remarkable. With an abundance of beaches, parks and forests to explore, a rich history and culture to discover, and fantastic dining and nightlife choices, the only thing you'll find lacking is the time to see all that the island has to offer.

## Food Information

Thai cuisine is well-known worldwide, including blending elements of several Southeast Asian traditions, however, with its own unique balance of fundamental taste senses, aroma, and spiciness. Thailand also is a source for an expansive variety of exotic and tasty fruits including coconut, toddy palm, tamarind, rambutan, lychees, papaya, jackfruit, mango, mangosteen, langsat, longan, pomelo, pineapple, rose apples, and durian.

Located on the Andaman Sea, Phuket is abundant in natural resources, especially fresh seafood. In addition, Phuket also has a variety of local food (Chinese style) such as Po Pia (spring roll), Oh Eaw (iced dessert), Hokkien Noodles, Satays (small kebab) and Lo-ba (fried pork entrails).



# History of Thao Thep Kasattri and Thao Sri Soonthorn

During the 16<sup>th</sup> century, the island was a popular trading port for tin. In 1785, Thalang town was surrounded by Burmese troops who invaded the coastal area. It was under the leadership of Chan, the widow of the governor, and her sister, Muk, who united the local residents and successfully fought and drove the invaders out of Phuket. It took over 30 days for the defending troops of Phuket, under the command of Chan and Muk, to claim their victory. As a result of such heroic deeds, noble titles were granted to Chan and Muk as Thao Thep Kasattri and Thao Sri Soonthorn, respectively. They are still highly respected by Phuket residents even today.

## Names of Phuket

In the early days of regional maritime trade, the cape of Phuket was locally referred to as *Jung Ceylon*, while locals called it *Thalang*, which evolved to be the name of the main town to the north of the island. Phuket is pronounced with the ‘h’ silent. Phuket also sounds like *Bukit* which means “hill” or “mountain” in regional or local languages spoken by people descended from the Austronesian family such as Malay, Indonesian, and Fijian.

## The Island

Located approximately 862 kilometers south of Bangkok, Phuket is the smallest and the only province that is an island. In addition, the province also has the smallest number of districts (three), namely Thalang, Kathu, and Muang (the capital). It is the largest island in Thailand, at 48km in length and 21km at its widest. Phuket does not feel like an island as there are two bridges conveniently connecting the island to the mainland. There are only two seasons in a year: the green season (May to October) and the hot season (November to April).





Surin Beach

# Prince of Songkla University



[www.psu.ac.th](http://www.psu.ac.th)



## PSU at a Glance

Prince of Songkla University (PSU), a public university established in 1967 as the first university in southern Thailand, consists of five campuses offering various programs of education consistent with the needs of their communities. Moreover, PSU also comprises 30 faculties, two hospitals, and more than 40 excellence and research centers, all committed to academic excellence, strong social responsibility, and active engagement in community services. The central aims of the university are to raise general education standards and support regional industry and development. Moreover, the university aims to establish excellence in research and teaching, to provide academic services to communities, and to take an active role in the preservation of national heritage in arts and culture, especially for those from southern Thailand. Therefore, as a leading research university in Asia, PSU has contributed significantly to the development of the country and consistently turned out well-qualified graduates of high professional standing.

PSU is committed to academic excellence, reputable research and innovation, with five campuses located in Hat Yai, Pattani, Surat Thani, Trang, and Phuket. PSU campuses house over 40,000 students, with international students from almost 50 nations, and over 2,000 academic staff, and offer over 140 Bachelor's, about 100 Master's, and almost 60 doctorate degrees. The academic excellence is illustrated in several disciplines such as Agro-Industry, Biochemistry, Chemical Engineering, Energy, Epidemiology, Islamic Studies, Natural Rubber, Palm Oil, and Pharmaceutical Sciences, etc.



## Renowned University

Several outstanding programs, researchers, rankings, and achievements have made PSU well-known and admired as a leading educational institution, not only in Thailand, but across the ASEAN Region. A positive reputation, combined with the contributions of our high-quality researchers and academics, results in the academic excellence of PSU in many disciplines attracting students from all over the world. Therefore, among about 200 universities in Thailand, PSU is placed as the following indicators show:

- Ranked 4<sup>th</sup> in Thailand for research publications in international journals
- 5<sup>th</sup> in Thailand and 142<sup>nd</sup> in Asia by QS (Quacquarelli Symonds) Ranking
- Nationally, ranked 4<sup>th</sup> for Life Sciences and Medicine, 5<sup>th</sup> for IT & Engineering, Natural Resources, and Arts and Humanities, and 6<sup>th</sup> for Social Sciences
- Nationally, URAP 2013-2014 Field Ranking: 3<sup>rd</sup> in Chemical Sciences, 5<sup>th</sup> in Medical and Health Sciences, 6<sup>th</sup> in Engineering and Biological Sciences
- Worldwide, ranked in the top 150 in Agriculture (2013 and 2014) and top 200 in Pharmacy (2013) by QS
- 5<sup>th</sup> in Thailand for Research and Innovation, and 2<sup>nd</sup> for Web visibility by SCIMAGO
- Ranked several times 1<sup>st</sup> in Thailand and 2<sup>nd</sup> in Southeast Asia by Webometrics
- 89<sup>th</sup> by 2014 THE-BRICS
- Scored 4.65 out of 5 from the national quality assessment administered by the Office for National Education Standards and Quality Assessment of Thailand - the highest among Thai State universities.



# History

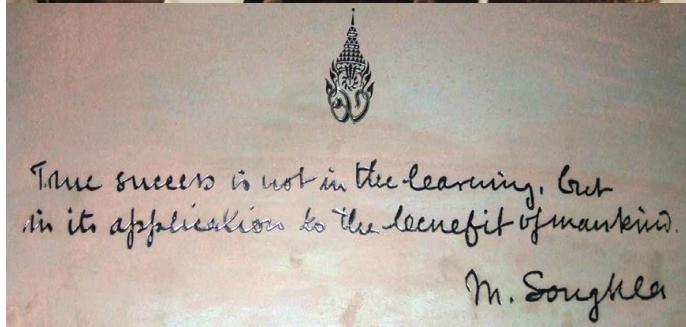
In 1962, the Department of Provincial Administration was assigned by the Thai government, through the Southern Development Committee, to initiate a project to set up a university in southern Thailand in accordance with the Southern Development plan. The Southern Thailand University Establishment Committee, set up in 1965, was entrusted with the task of overseeing the construction of necessary university facilities and administering the fledgling institution. While the institution was being built, for lack of an official name, the name of "Southern University" was adopted.

In order that the university would be a center of the hearts and minds of Thai people as well as to bring good fortune, prosperity and success to the university, it was humbly requested that His Majesty the King bestow a name on the university. On September 22, 1967, His Majesty the King graciously granted the university the name "Prince of Songkla University" in honor of his beloved father, His Royal Highness Somdej Chao Fa Mahidol Adulyadej Kromma Luang Songkla Nakarin.

## PSU's Symbols

Color: Blue

Flower: Jacaranda filicifolia (Anders) D.Don



## PSU's Guiding Principle

PSU's guiding principle, "Our Soul is for the Benefit of Mankind," is adopted from the quote of Prince Mahidol of Songkla, the Prince Father, "True success is not in the learning, but in its application to the benefit of mankind."



## First Gateway to the Internet

The formal establishment of the Computer Center of the university occurred in 1983. In the same year, by setting up a server "Srirang.psu.th," which was the first server in Thailand, PSU became Thailand's first gateway to the Internet. The first message sent from the Computer Center, PSU, to a server at the University of Melbourne on June 2, 1988, heralded the dawn of the Internet era in Thailand.



# Faculty of Engineering

The Faculty of Engineering is the first faculty founded at PSU. The aim was to satisfy the need for engineers in various national and regional development programs and, especially, in the southern region of Thailand.

At the beginning, the Faculty consisted of three core departments: Civil Engineering, Electrical Engineering and Mechanical Engineering. This has now grown to seven departments including Industrial Engineering, Chemical Engineering, Mining and Materials Engineering, and Computer Engineering. Also, there are programs in Environmental Engineering, Production Engineering, Materials Engineering, Mechatronics,

Industrial Management, and Management Information Technology.

Besides teaching technical aspects of engineering, the Faculty also equips students with practical knowledge, as well as an awareness of social and environmental problems which can be vital to the community and their professional careers. In-House Practical Training, mostly during the second year summer vacation, is voluntary; while Industrial Training, mostly during the third year summer vacation, is compulsory.



# Department of Computer Engineering

The Department of Computer Engineering, PSU, offers B.Eng., M.Eng., and Ph.D. programs in Computer Engineering in PSU's two campuses, Hat Yai and Phuket. The department has two excellence centers, namely Center of Excellences in Next Generation Internet (NGI) and Center of Excellences in Wireless Sensor Networks (WSN), both funded by the National Electronics and Computer Technology Center. There also are several research teams in the department such as Intelligent Systems Research Group (iSys), Advanced Information Engineering Group, and Information Engineering for Andaman Region (InFAR) Group.

Its students and faculty members have won many national and international awards including National Software Contest, Thailand ICT (Information and Communication Technology) Awards, DTAC Accelerate, Engineering Innovation, Thailand RoboCup Championship, Thailand Intelligent Vehicle Challenge, Thailand Embedded Systems Association (TESA) Top Gun Rally, Innovation of Thailand, Embedded Systems on New Industrial Design Camp and Contest, Student Formula SAE (Society of Automotive Engineers of Japan) Competition, and Assistive & Rehabilitative Technology Student Design Challenge.

The department also is renowned for experiences in hosting several international events and the ACM-ICPC (Association of Computer Machinery- International Collegiate Programming Contest) events including the Asia Regional Programming Contest in 2009, 2011- 2013, and 2015.





# 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 competition operates under the auspices of ACM, is sponsored by IBM, and is headquartered at Baylor University. For nearly 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.

Teams of three students represent their universities 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 advanced 128 teams to the World Championship round - the 2016 ACM-ICPC World Finals sponsored by IBM and hosted by Prince of Songkla University – which will be conducted on 19 May 2016 in Phuket, Thailand.

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.

Since IBM became sponsor in 1997, ICPC participation has increased by more than 1600%. This past year, ICPC participation included 40,266 of the finest students and faculty in computing disciplines from 2,736 universities from 102 countries on six continents.

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 (September to December 2015)** – This year 40,266 contestants from 2,736 universities in 102 countries on six continents competed at over 481 sites to advance to the World Finals. A record 43,967 students and 4,637 coaches competed in ICPC and ICPC-assisted competition this year. This year set new records in participation.

**World Finals (15-20 May 2016, Phuket, Thailand)** – Hosted by Prince of Songkla University, one hundred and twenty-eight (128) world finalist teams will compete for awards, prizes and bragging rights. These teams represent the best of the 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](http://icpc.baylor.edu) or [acmicpc.org](http://acmicpc.org).

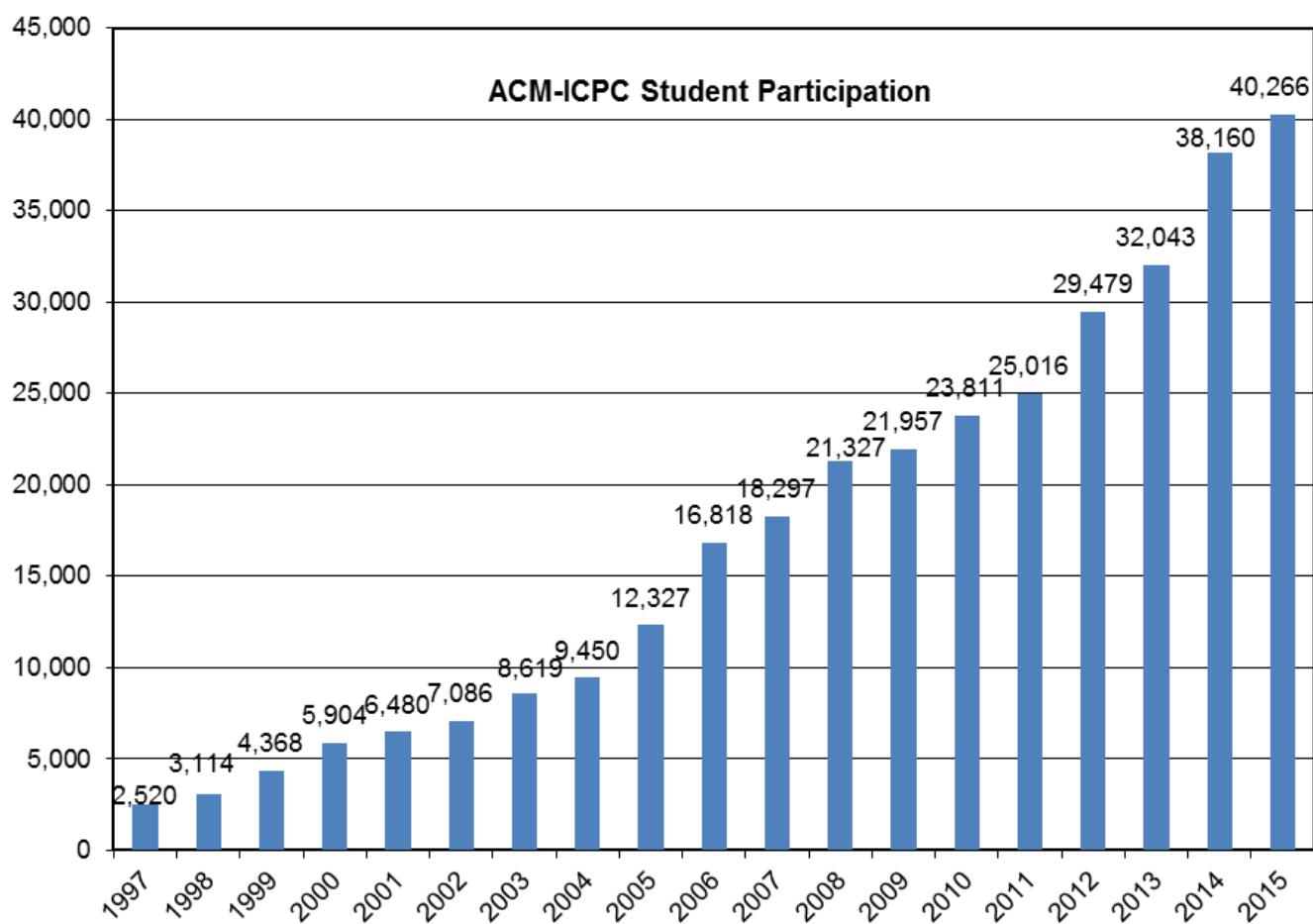
For full coverage of the World Finals including social media, photos, video, live coverage, and live scoreboard, go to ICPCNews, [icpcnews.com](http://icpcnews.com).

Visit the ICPC podcast series at [battleofthebrains.podbean.com](http://battleofthebrains.podbean.com) for insights from past contestants and current IBM executives.



# Contest Growth

ACM, IBM, UPE, and Baylor University are thrilled that the contest continues to attract the best and brightest students from around the world. This past year 40,266 contestants from 2,736 universities in 102 countries competed in regional competitions at over 481 sites worldwide. Since the beginning of IBM's sponsorship in 1997, participation has increased more than 1600%. For more information on previous contests, and last year's final standings and problem sets, please see [icpc.baylor.edu](http://icpc.baylor.edu). Growth continues.



# World Finals 2016 hosted in Phuket

## The final round following the 2015 Regionals

One hundred and twenty-eight teams from regional contests servicing universities worldwide will advance to the World Finals to be held in Phuket, Thailand, 15-20 May 2016. The World Finals is hosted by Prince of Songkla University. Prince of Songkla hosted the very first regional contest in Thailand in 2009.

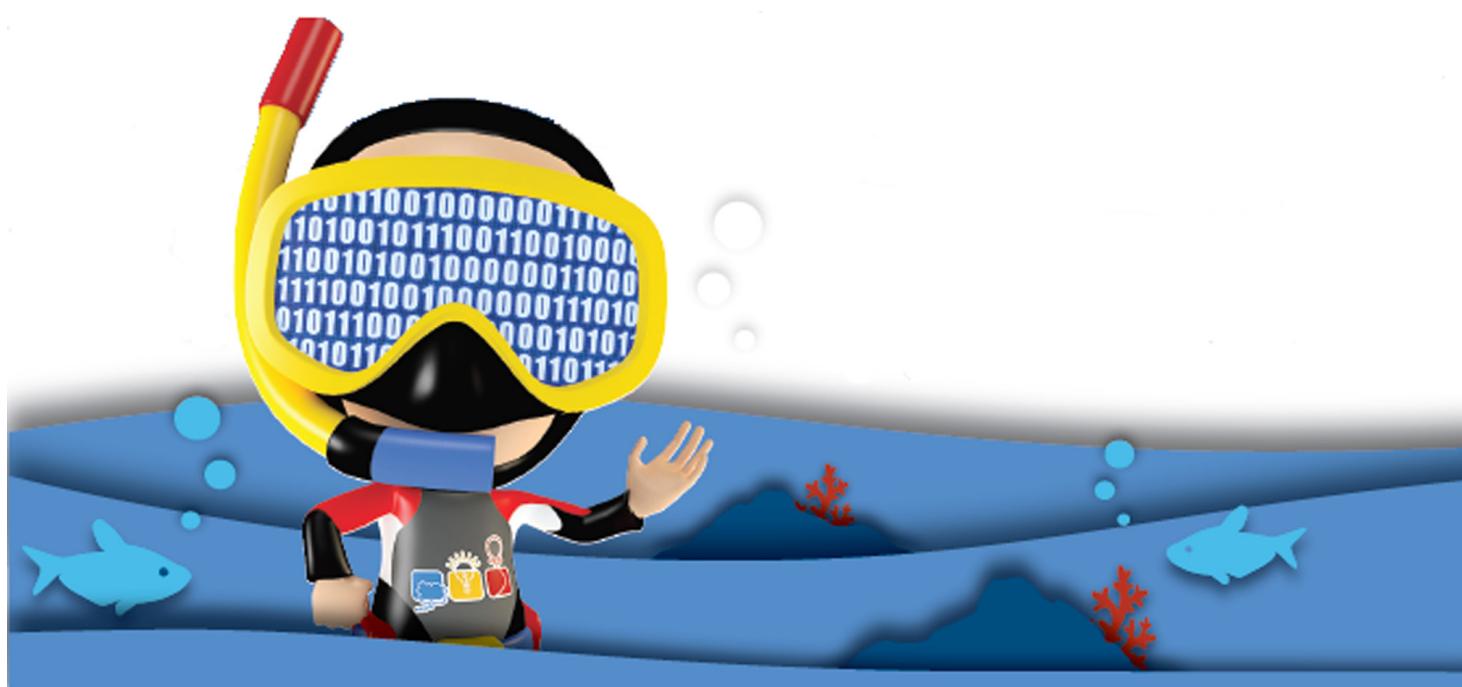
Recent medal winners in order of finish are:

2015 Gold	St. Petersburg National Research University ITMO (Russia) Moscow State University (Russia) The University of Tokyo (Japan) Tsinghua University (China)
Silver	Peking University (China) University of California at Berkeley (USA) University of Zagreb (Croatia) Charles University in Prague (Czech Republic)
Bronze	Shanghai Jiao Tong University (China) Massachusetts Institute of Technology (USA) Korea University (Korea) University of Warsaw (Poland)
2014 Gold	St. Petersburg State University (Russia) Moscow State University (Russia) Peking University (China) National Taiwan University (Taiwan)
2013 Gold	St. Petersburg National Research University ITMO (Russia) Shanghai Jiao Tong University (China) The University of Tokyo (Japan) National Taiwan University (Taiwan)
2012 Gold	St. Petersburg National Research University of ITMO (Russia) University of Warsaw (Poland) Moscow Institute of Physics & Technology (Russia) Shanghai Jiao Tong University (China)
2011 Gold	Zhejiang University (China) University of Michigan at Ann Arbor (USA) Tsinghua University (China) St. Petersburg State University (Russia)





# Organizers





Association for  
Computing Machinery

## 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 [www.acm.org](http://www.acm.org).



## About IBM

IBM is a globally integrated technology and consulting company. With operations in more than 170 countries, IBM attracts and retains some of the world's most talented people to help solve problems and provide an edge for businesses, governments and non-profits. Innovation is at the core of IBM's strategy. The company develops and sells software and systems hardware and a broad range of infrastructure, focusing on growth initiatives such as cognitive computing, cloud computing, big data and analytics, mobile, social business and security. For more information, visit [www.ibm.com](http://www.ibm.com).

## IBM's Commitment

IBM's sponsorship commitment to the ACM International Collegiate Programming Contest is part of a company-wide effort to advance the next generation of technology leaders and problem solvers who have combined skills of computing science and business management. For more information, visit [www.ibm.com/university](http://www.ibm.com/university).



## 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 [www.baylor.edu](http://www.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](http://upe.acm.org).





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[instagram.com/icpcnews](http://instagram.com/icpcnews)



Wat Chaiyathataram (Chalong Temple)

# 2016 World Finals

## Rules



# Mission

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

## Introduction

The contest is a two-tiered competition among teams of students representing institutions of higher education. Teams first compete in Regional Contests, held around the world from September to December each year. The winning team from each Regional Contest advances to the ACM International Collegiate Programming Contest World Finals which is typically held between March and June. Additional high-ranking teams may be invited to the World Finals. A maximum of 128 teams will be invited. These rules are subject to change.

## Organization

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

## World Finals Site and Dates

The 2016 World Finals will be held in Phuket, Thailand, May 15 - 20, 2016.



# Team Requirements

Teams qualify to advance to the World Finals through Regional Contests. Only one team from a given institution may advance to the World Finals. Contestants and registered student team members will be provided free one-year memberships in ACM. No team member on the qualifying team may have competed as a contestant in two previous World Finals.

The coach of a qualifying team is the point-of-contact prior to and during World Finals activities. A contestant of a team may not serve as the coach. The coach must complete certification at the Team Certification Web Site within five (5) business days of notification. Qualifying teams will be issued an invitation by email and postal mail (if requested) soon after completing certification.

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

A team advancing to the World Finals will be comprised of the same three members as when it qualified. (Reserves are not allowed at the Finals.) In the event that a team member is unwilling, unable, or unfit to compete in the World Finals, the coach must notify the manager in a timely manner. A team member who is unwilling or unfit to compete in the World Finals will be disqualified from further ICPC competitions. The team member may appeal disqualification to the Appeals Committee.

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

# Attendance

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

The highest scoring team is the World Champion and will receive the World Champion Cup and plaques. The other top twelve teams, the North American Champions, the Latin American Champions, the European Champions, the South Pacific Champions, the Asian Champions, and the Africa & Middle East Champions will also receive plaques.

The World Champion team will be awarded \$16,500. Each of the other three Gold Medal teams will be awarded \$7,500. Each Silver Medal team will be awarded \$4,500. Each Bronze Medal team will be awarded \$2,250.

Courtesy of the UPE Computer Science Honor Society, First Solution Award will be \$1500 and First to Solve Problem "X" will be \$1050 (for all but first problem solved).



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

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

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

## Contestant Conduct

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

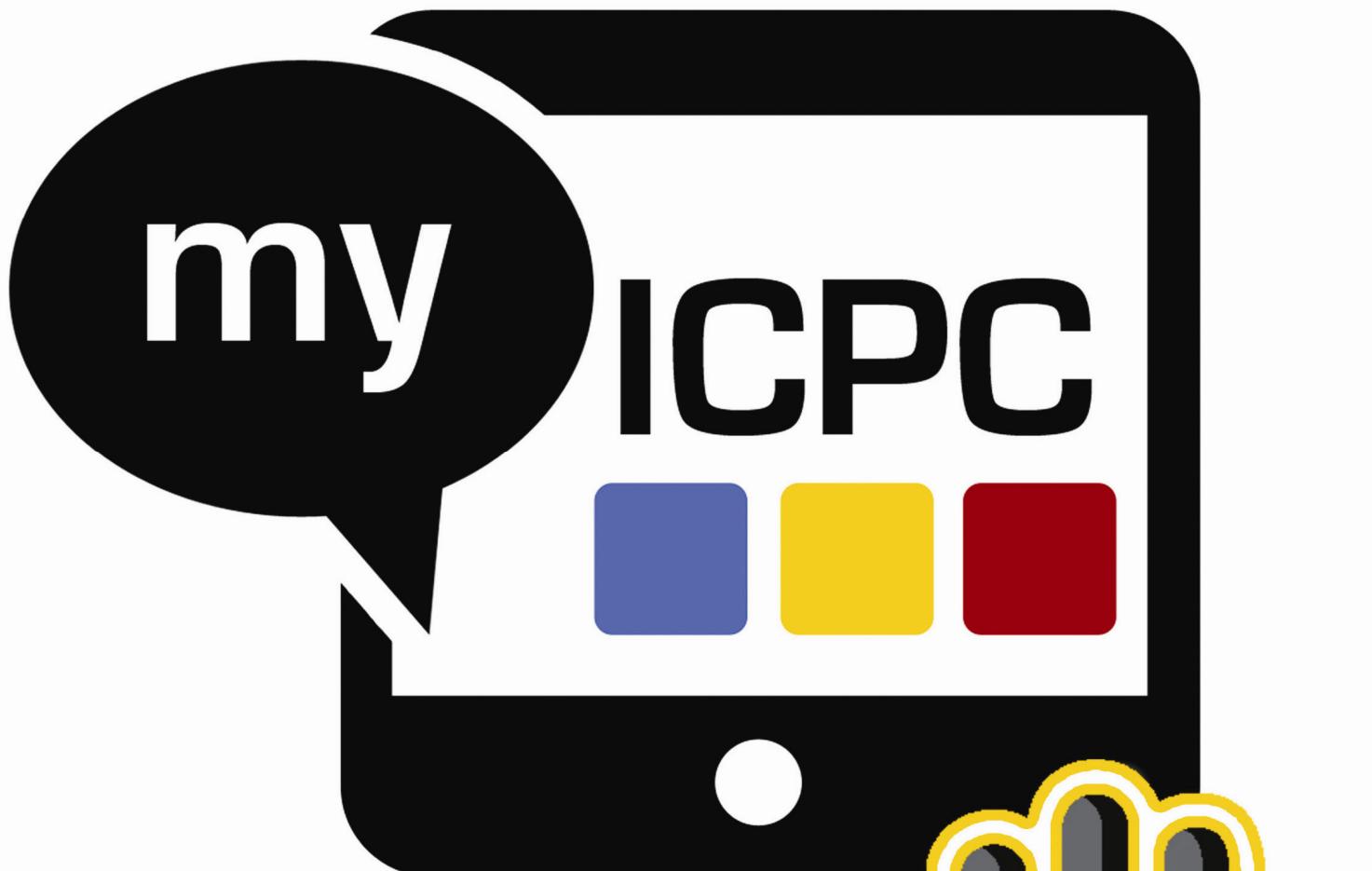
Contestants are not to converse with anyone except members of their team and personnel designated by the Finals Director. Systems support staff may advise contestants on system-related problems such as explaining system error messages.

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.

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.



[myicpc.icpcnews.com](http://myicpc.icpcnews.com)



## The World Finals In Your Hands.

Connect to the conversation.



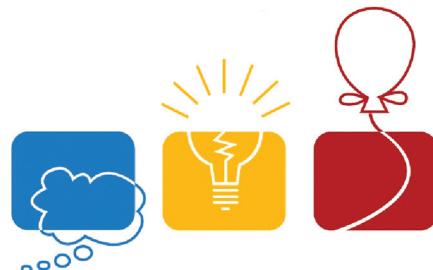
-  Personal Interactive Scoreboard
-  Most Recent Official Schedule
-  Updates from ICPCNews
-  Team and Coach Information
-  Interactive World Map

The Monument of Thao Thep Krasattri-Thao Sri Soonthorn, the two heroines of Phuket



# 2016 World Finals

## 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.

## **IBM Welcome**

IBM hosts a reception to welcome all registered attendees.

## **IBM Tech Trek**

IBM's innovators lead the industry in developing interesting and important technology for the world's needs. This event includes interactive demonstrations of several fascinating IBM projects. Attendance is required for teams and coaches.

## **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.

## **The World Finals Dress Rehearsal**

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

## **UPE Dinner, courtesy of IBM**

This event, hosted by IBM, features dinner and an evening of fun and interaction.

## **The World Finals**

The time has come. One hundred twenty-eight 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!

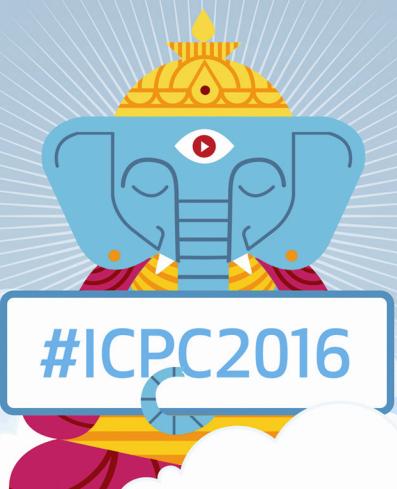
## **The World Finals Celebration sponsored by IBM**

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





LET THEM SEE  
YOU SOLVE  
**ICPC LIVE.COM**



**MAY 19**

**2:00 UTC**





Sino-Portuguese Architecture in Phuket Old Town

# 2016 World Finals

## Judges





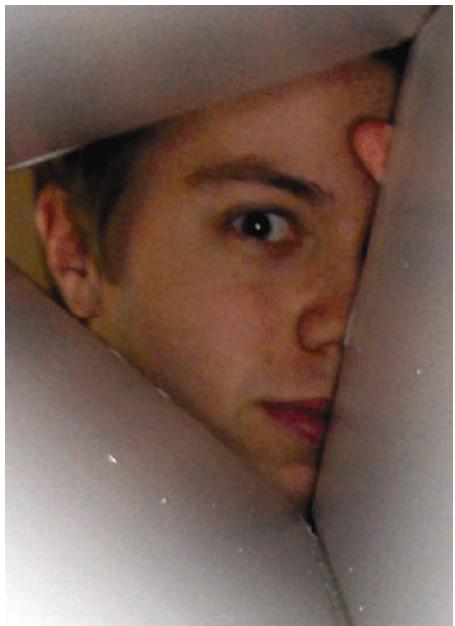
## Jo Perry

---

### NC 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!



## Per Austrin

---

### KTH Royal Institute of Technology, Stockholm

World Finals judge since 2008

Here is a small hint about the problem set: hvs qcbhsgh dfcpzsag ofs bchog sogm og hvgw Qosgof qwdvsf.



## Babak Behsaz

---

### Google

World Finals judge since 2013

I hope you enjoy the contest and problem set. Also, I wish you realize your potential and use this experience to achieve future success.

Best of luck!

## **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!

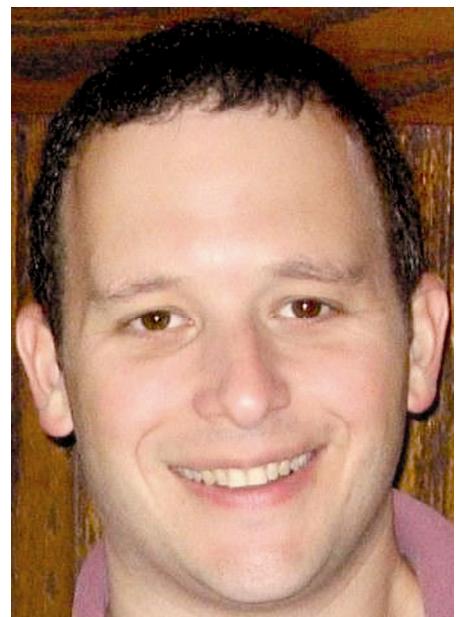


## **Michael Goldwasser**

### **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!



## **Martin Kacer**

### **Czech Technical University**

World Finals judge since 2003

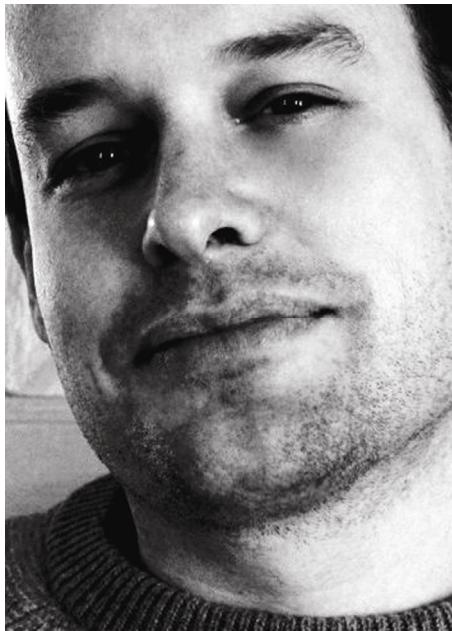
Enjoy this week as if it was one of the best in your life.

Wait, it IS one of the best in your life!

I wish you a good luck, not only for now, but also for the future.

Have fun!





## **Matthias Ruhl**

---

### **Accompani**

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!



## **Bruce Merry**

---

### **SKA South Africa**

World Finals judge since 2016

Don't rush the problems. It's better to spend an extra 10 minutes to do it right than lose an hour to debugging.



## **Walter Guttmann**

---

### **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.



## Osman Ay

---

**Osman Ay Computer Science Publishing  
Director, Surat Publishing, Lecturer IAU**

World Finals judge since 2002

I wish all our contestants to compete with each other to build a better world just like the same way they compete in the ACM ICPC World Finals. I know that they will be leading figures of technology and information world.

My humble advice for them is to discover that learning is more exciting than knowing, deserving is more satisfying than earning, and sharing is more beautiful than collecting.

Peace and happiness are in-born rights of all individuals; on the other hand, success is the result of a systemic and continuous work.



## Shahriar Manzoor

---

**Saint Southeast University & Code Marshal**

World Finals Judge since 2003

From being involved with Dhaka Regional since 2003 and some other Regional contests since 2008, I have a very good idea on how the quality and number of programming contestants is increasing with time. You are among the top 1 % contestants of the world and among the top .01 % of the whole human race. So now your goal might be to do well in the World Finals but like anything in the universe there is always a bigger goal. For you, the bigger goal would be to make your region stronger in future. If you are from the weaker regions you have your work cut out. So I would like to wish you good luck with both your goals.



# **Stanley Wileman**

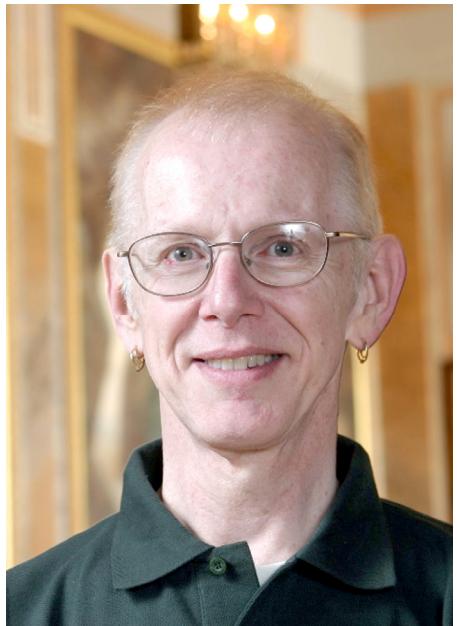
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## **University of Nebraska - Omaha**

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?

# **Jakub Onufry Wojtaszczyk**

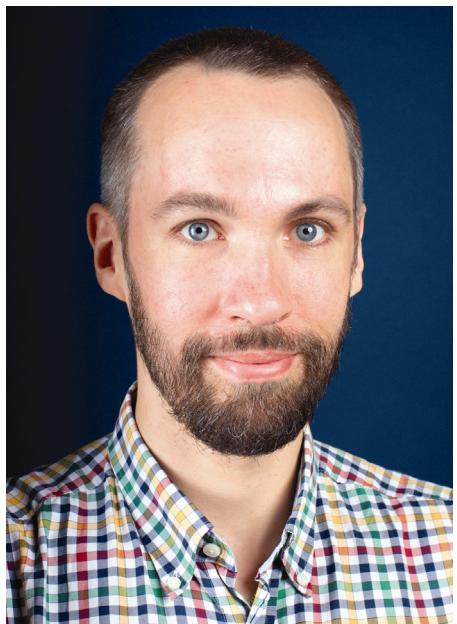
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## **Google**

World Finals judge since 2011

I wish 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 life 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 wish you all you manage to make good use of it.



## Derek Kisman

---

### Zenefits

World Finals judge since 2004

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



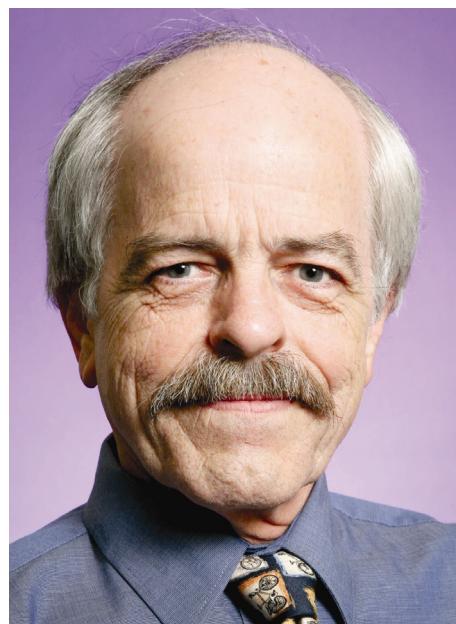
## Dick Rinewalt

---

### Texas Christian University

World Finals judge since 1982

Meet people. Make friends. Have fun.



## Greg Hamerly

---

### Baylor University

World Finals judge since 2014

Congratulations on making it to the ICPC World Finals. Being here is a great opportunity for you not only to show your skills and have fun, but also to meet people and grow.

Good luck in the competition!



ห้องรับแขกชั้นที่ ๑๐๒  
ภายนอกท่าน้ำประดิษฐ์มหาราชา

PHUKET CITY



PHUKET CITY HALL

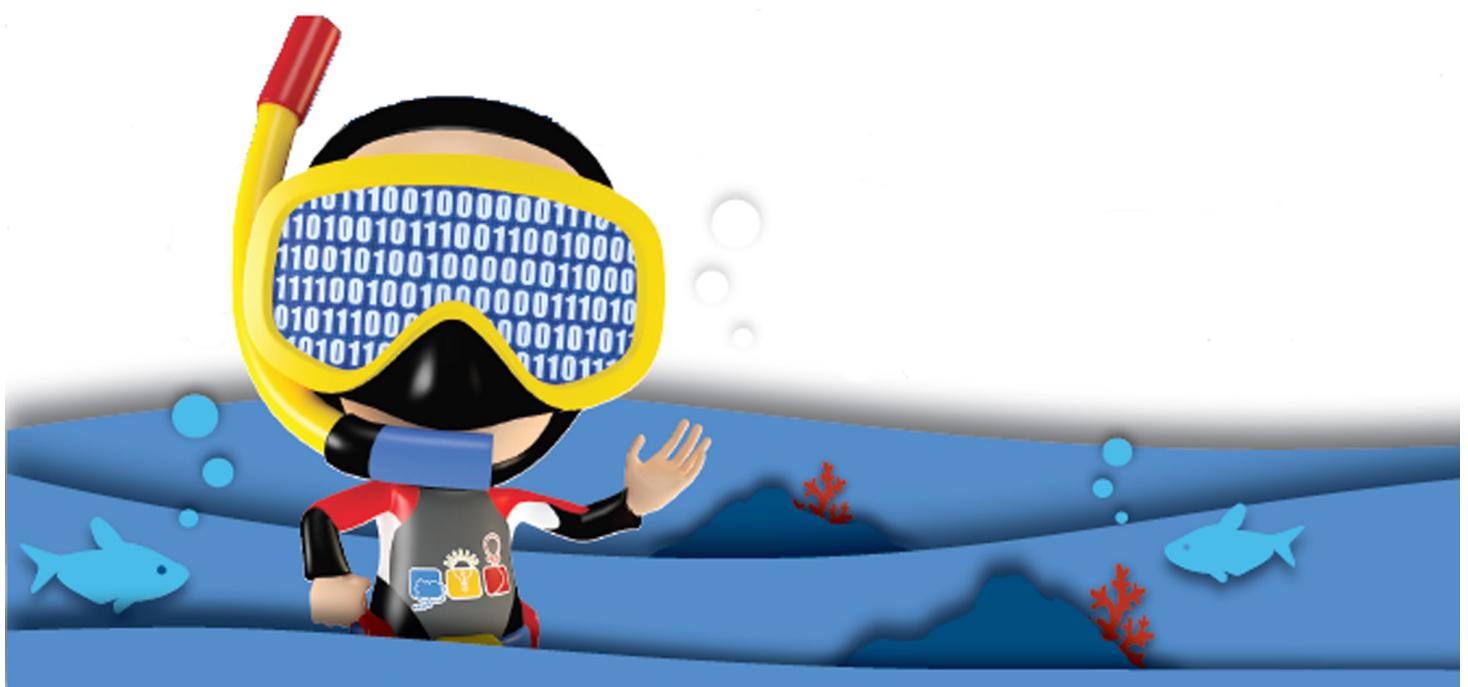
ลานชมเมืองนครภูเก็ต

普吉观

PHUKET CITY VIEW POINT

# 2016 World Finals

## Teams





128 teams from 6 global regions  
Total Number of Countries: 40



## ACM-ICPC World Finals 2016 Phuket Finalist Teams

# Africa and Middle East

## Aleppo University

[www.alepuniv.com](http://www.alepuniv.com)  
Team name: Beginners  
Hasan Jaddouh  
Ahmad Rami Rahma  
Sami Rahma  
Coach: Souheil Khawatmi

## Alexandria University - Faculty of Engineering

[eng.alexu.edu.eg](http://eng.alexu.edu.eg)  
Team name: New Folder  
Essam AlNaggar  
Omar Mohamed Eissa  
Amr Mahmoud  
Coach: Omar ElAzazy

## Arab Academy for Science and Technology (Alexandria)

[www.aast.edu](http://www.aast.edu)  
Team name: No Ana Gai Aharag  
Adel Ali  
Haytham Breaka  
Moustafa Maher  
Coach: Ahmed Salem

## British University in Egypt

[www.bue.edu.eg](http://www.bue.edu.eg)  
Team name: Gotta Solve Em All  
Yasser Khaled  
Khaled Nabil  
Amir Nasr  
Coach: Khaled Nagaty

## Cairo University - Faculty of Computers and Information

[www.fci.cu.edu.eg](http://www.fci.cu.edu.eg)  
Team name: El Psy Congroo  
Mohammed Magdy  
Ziad Mohamed  
Mohammad Yasser  
Coach: Mohamed Abd El-Wahab

## Damascus University

[www.damascusuniversity.edu.sy](http://www.damascusuniversity.edu.sy)  
Team name: Nitro++  
Khaled Koutini  
Muaz Twaty  
Joud Zouzou  
Coach: Feras Al-Kassar

## Princess Sumaya University for Technology

[psut.edu.jo](http://psut.edu.jo)  
Team name: EarlGrey (PSUT)  
Hasan Alhamsh  
Abdullah Bahosain  
Maram Tuffaha  
Coach: Ashraf Ahmad

## Tishreen University

[www.tishreen.edu.sy](http://www.tishreen.edu.sy)  
Team name: 4<sup>th</sup> FLOOR  
Sami Emad  
Majd Ghada  
Nodar Jarrar  
Coach: Alaa Jarad

## University of Cape Town

[www.uct.ac.za](http://www.uct.ac.za)  
Team name: Amazingly Complicated Macros  
Ashraf Moolla  
Robert Spencer  
Robin Visser  
Coach: Maria Keet



# Asia

## Ateneo de Manila University

[www.admu.edu.ph](http://www.admu.edu.ph)

Team name: Fuchsia Moth  
David Martin Cuajunco  
Kyle Stephen See  
Jose Enrico Tiongson  
Coach: Vernon Gutierrez

## Beihang University

[ev.buaa.edu.cn](http://ev.buaa.edu.cn)

Team name: TheWaySoFar  
Shengying Jin  
Xuanang Zhao  
Haiyu Zhao  
Coach: You Song

## Beijing University of Posts and Telecommunications

[www.bupt.edu.cn](http://www.bupt.edu.cn)

Team name: heheda  
YingXiang Jiao  
Jie Liu  
Zitian Wang  
Coach: Ya Yang

## Birla Institute of Technology & Science, Pilani Campus

[www.bits-pilani.ac.in](http://www.bits-pilani.ac.in)

Team name: stronglyConnected  
Akul Sareen  
Pranet Verma  
Anuj Yadav  
Coach: Avinash Gautam

## Chulalongkorn University

[www.chula.ac.th](http://www.chula.ac.th)

Team name: CUCP Meow Meow :3  
Nat Pavasant  
Kittiphop Phalakarn  
Kittiphon Phalakarn  
Coach: Athasit Surarerks

## Fudan University

[www.fudan.edu.cn](http://www.fudan.edu.cn)

Team name: Saga  
Ziyang Chen  
Jinyue Su  
Haoming Xing  
Coach: Weiwei Sun

## Ho Chi Minh City University of Science

[www.hcmus.edu.vn](http://www.hcmus.edu.vn)

Team name: HCMUS – Shine  
Yen Thanh Le  
Viet Khoi Pham  
Minh Bao Truong  
Coach: Nguyen Son Tung Pham

## Indian Institute of Information Technology - Allahabad

[www.iiita.ac.in](http://www.iiita.ac.in)

Team name: Greed\_for\_Speed  
Man Mohan Mishra  
Mettu Shiva Reddy  
Aditya Sharma  
Coach: Sanjai Singh

## Indian Institute of Technology - Bombay

[www.iitb.ac.in](http://www.iitb.ac.in)

Team name: ntm  
Venkateswara Rao Chippada  
Sai Sandeep  
Nikhil Vyas  
Coach: Sharat Chandran

## Indian Institute of Technology - Delhi

[www.iitd.ernet.in](http://www.iitd.ernet.in)

Team name: angle  
Yash Kumar Bansal  
Satwant Rana  
Kunal Singhal  
Coach: Mausam

## Indian Institute of Technology - Kanpur

[www.iitk.ac.in](http://www.iitk.ac.in)

Team name: FacelessMen  
Atanu Chakraborty  
Sahil Grover  
Abhilash Kumar  
Coach: Surender Baswana

## Indian Institute of Technology - Roorkee

[www.iitr.ernet.in](http://www.iitr.ernet.in)

Team name: 11Coders  
Kshitij Bathla  
Anubhav Bindlish  
Aman Kumar Kedia  
Coach: Vinod Pankajakshan



**Islamic Azad University of Mashhad**

en.mshdiau.ac.ir  
Team name: Aspire  
Reza Kakhki  
Yoones Rezaei  
Sobhan Shafiei  
Coach: Reza Godaz

**Jahangirnagar University**

www.juniv.edu  
Team name: JU\_O(N^3)  
Niloy Datta  
Raihat Zaman Neloy  
Md. Nafis Sadique  
Coach: K M Akkas Ali

**KAIST**

www.kaist.ac.kr  
Team name: [A-Za-z0-9]+  
Jae Hong Kim  
Sun Il Kwon  
Jongwon Lee  
Coach: Taisook Han

**Kim Il Sung University**

www.ryongnamsan.edu.kp  
Team name: RNS  
GyongMin Jo  
HyoSong Kim  
UnSong Ri  
Coach: Gwangbyol Jong

**Korea University**

www.korea.ac.kr  
Team name: Opportunity  
Geun Woo Bae  
MyungWoo Chun  
Dong Ho Lee  
Coach: Jin Young Choi

**Kyoto University**

www.kyoto-u.ac.jp  
Team name: breakShot  
Akifumi Imanishi  
Yuta Ojima  
Kazuki Takise  
Coach: Shoichi Nishimura

**National Chiao Tung University**

www.nctu.edu.tw  
Team name: NCTU\_Thor  
LiCheng Lan  
Jyun-Jie Liao  
Pin Chang Pan  
Coach: MinZheng Shieh

**National Taiwan University**

www.ntu.edu.tw  
Team name: bcw0x1bd2  
Cheng-Min Chiang  
Kai-Chi Huang  
Han Chung Wang  
Coach: Pu-Jen Cheng

**National University of Defense Technology**

www.nudt.edu.cn  
Team name: ALPC\_Farewell  
Zheng Qin  
Hao Wu  
Hao Yu  
Coach: Yuxing Peng

**National University of Singapore**

www.nus.edu.sg  
Team name: RRWatameda  
Hung Tam Nguyen  
Thanh Trung Nguyen  
Tan Sy Nguyen Nguyen  
Coach: Sun Teck Tan

**Ningbo University**

www.nbu.edu.cn  
Team name: what duang to eat dinner  
Lei Chen  
Qi Wu  
Qing Ye  
Coach: Yefang Chen

**Northeastern University (China)**

www.neu.edu.cn  
Team name: NEU\_I forgot it.  
Hengyu Liu  
Han Wang  
Haibin Xie  
Coach: XiaoFeng Liu

**Northeast Normal University**

www.nenu.edu.cn  
Team name: Daedalus  
Miaoyang Li  
Chengyu Yang  
Ligang Zhang  
Coach: Zhiguo Zhou

**North South University**

www.northsouth.edu  
Team name: NSU BugLovers  
Hasib Al Muhammin  
Ahmad Faiyaz  
Mohammad Samiul Islam  
Coach: Md Shazzad Hosain

**Osaka University**  
www.osaka-u.ac.jp  
Team name: chikOkU  
Naohiro Kawamitsu  
Kazuma Mikami  
Yosuke Sameshima  
Coach: Yasuaki Mitani

**Peking University**  
www.pku.edu.cn  
Team name: Crawl  
Yudong Li  
Yang Shen  
Xuanrun Zhang  
Coach: Guojie Luo

**Prince of Songkla University**  
www.psu.ac.th  
Team name: FEDEX  
Tanapol Anantachaiwanich  
Arif Waram  
Napat Wongphan-ngam  
Coach: Sangsuree Vasupongayya

**Shahid Beheshti University**  
en.sbu.ac.ir  
Team name: In 1010101 We Trust!  
Amirhossein Shapoori  
Farzad Sharbafian  
Nima Shirvanian  
Coach: Mohammadreza Haghpanah

**Shahjalal University of Science and Technology**  
www.sust.edu  
Team name: DownToTheWire  
Dhananjoy Biswas  
Abdullah Al Maruf  
Sakibul Mowla  
Coach: Md Saiful Islam

**Shanghai Jiao Tong University**  
www.sjtu.edu.cn  
Team name: Dreadnought  
Wenhan Huang  
Yanpei Liu  
Haobin Ni  
Coach: Yong Yu

**Shanghai University**  
www.shu.edu.cn  
Team name: Wand Maker  
Yingning Gao  
Jun Mei  
Yi Xu  
Coach: Yunfu Shen

**Sharif University of Technology**  
www.sharif.edu  
Team name: CrockPot  
Ali Haghani  
Peyman Jabbarzade Ganje  
Amir Keivan Mohtashami  
Coach: Kamran Bavar

**South China University of Technology**  
www.scut.edu.cn  
Team name: SOX  
Jiaming Fang  
Xuyu Gui  
Peizhen Hu  
Coach: Chuhua Xian

**The Chinese University of Hong Kong**  
www.cse.cuhk.edu.hk  
Team name: Real Base  
Chun Yin Samspon Lee  
On Yin Leung  
Kam Chuen Tung  
Coach: Siu On Chan

**The University of Tokyo**  
www.u-tokyo.ac.jp  
Team name: 11111111111111111111  
Ikumi Hide  
Shogo Murai  
Shinya Hiroshita  
Coach: Tomoyuki Kaneko

**Tianjin University**  
www.tju.edu.cn  
Team name: TJU\_Thief\_Master  
Sheng Cao  
Yibo Shi  
Tingle Zhou  
Coach: Ruiguo Yu

**Tsinghua University**  
www.tsinghua.edu.cn  
Team name: Wunderzeit  
Honghua Dong  
Qinshi Wang  
Hengjie Zhang  
Coach: Xiaojun Wu

**University of Aizu**  
www.u-aizu.ac.jp  
Team name: FinalZukky  
Kazuki Omomo  
Tadamasa Yamaguchi  
Takumi Yamashita  
Coach: Yutaka Watanobe



**University of Electronic Science and Technology of China**

www.uestc.edu.cn

Team name: UESTC\_murasame

Zhu He

Jianxiao Hu

SiRui Lin

Coach: Peng Yang

**University of Engineering and Technology - VNU**

e.uet.vnu.edu.vn

Team name: BYTE

Khanh Do Ngoc

Kien Nguyen Tien Trung

Van Hanh Pham

Coach: Ho Phuong

**Zhejiang Normal University**

www.zjnu.edu.cn

Team name: NoPenalty

Sheng Qiu

Yifan Ye

Jiaqi Zhuang

Coach: Jianmin Han

**Zhejiang University**

www.zju.edu.cn

Team name: Siunaus

Mengge Jin

Xiajun Wang

Yueqi Zhao

Coach: Can Wang

**Zhongshan (Sun Yat-sen) University**

www.sysu.edu.cn

Team name: SYSU\_Braid

Yanfen Ma

Zhengjie Xu

Jianchang Zhang

Coach: SongShan Guo

# South Pacific

**The University of Western Australia**

www.uwa.edu.au

Team name: Off By Wonders

Andrew Gozzard

Emma Krantz

Max Ward-Graham

Coach: Tim French

**University of New South Wales**

www.cse.unsw.edu.au

Team name: TheNorthernLine

Daaron Chiu

Joshua Lau

Austin Tankiang

Coach: Aleks Ignjatovic



# Europe

## Belarusian State University

[www.bsu.by](http://www.bsu.by)  
Team name: BelarusianSU1  
Aliaksei Paliyevits  
Pavel Shaftsialevich  
Kanstantsin Sokal  
Coach: Vladimir Kotov

## Belarusian State University of Informatics and Radioelectronics

[www.bsuir.by](http://www.bsuir.by)  
Team name: Belarusian SUIR 2  
Andrei Sobal  
Andrei Valchok  
Aliaksei Vistiazh  
Coach: Aliaksei Ropan

## Charles University in Prague

[www.cuni.cz](http://www.cuni.cz)  
Team name: MFF  
Matěj Konečný  
Václav Rozhoň  
Štěpán Šimsa  
Coach: Zdenek Dvorak

## Comenius University

[www.uniba.sk](http://www.uniba.sk)  
Team name: Zelovoc svetla  
Michal Anderle  
Eduard Batmendijn  
Ján Hozza  
Coach: Michal Forišek

## ETH Zürich

[www.ethz.ch](http://www.ethz.ch)  
Team name: rETHink  
Demjan Grubić  
Johannes Kapfhammer  
Kieran Nirkko  
Coach: Timon Gehr

## Imperial College London

[www.imperial.ac.uk](http://www.imperial.ac.uk)  
Team name: DoCThors  
Yordan Chaparov  
Posdarascu Eugenie Daniel  
Mihai Popa  
Coach: Christian Ledig

## Innopolis University

[university.innopolis.ru](http://university.innopolis.ru)  
Team name: Innopolis U Known  
Sergey Kiyan  
Aleksandr Mashrabov  
Evgeny Savinov  
Coach: Alexey Maleev

## Jagiellonian University in Krakow

[www.uj.edu.pl](http://www.uj.edu.pl)  
Team name: Jagiellonian  
Szymon Łukasz  
Krzysztof Maziarz  
Michał Zająć  
Coach: Paweł Idziak

## Lviv National University

[franko.lviv.ua](http://franko.lviv.ua)  
Team name: LNU Penguins  
Roman Bilyi  
Vitalii Herasymiv  
Taras Savitskyi  
Coach: Vasyl Biletskyy

## Moscow Aviation Institute

[www.mai.ru](http://www.mai.ru)  
Team name: MAI #1  
Oleg Mingalev  
Aleksei Safronov  
Timofey Yushchenko  
Coach: Renat Gimadeev

## Moscow Engineering Physics Institute

[www.mephi.ru](http://www.mephi.ru)  
Team name: MEPhI: Cupcakes  
Vladislav Bidzilya  
Alexander Minakov  
Arslan Urtashev  
Coach: Vasily Astakhov

## Moscow Institute of Physics & Technology

[www.mipt.ru](http://www.mipt.ru)  
Team name: MIPT: Jinotega  
Konstantin Semenov  
Ivan Smirnov  
Artsem Zhuk  
Coach: Mikhail Tikhomirov



**Moscow State University**

msu.ru

Team name: Moscow SU Trinity  
Maxim Akhmedov  
Dmitriy Gorbunov  
Alexey Shlyunkin  
Coach: Andrey Shestimerov

**Nizhny Novgorod State University**

www.unn.ac.ru

Team name: Nizhny Novgorod SU 1  
Vladislav Epifanov  
Nikolay Kalinin  
Mikhail Krivonosov  
Coach: Nikolai Borisov

**Northern (Arctic) Federal University**

narfu.ru/en

Team name: Northern (Arctic) FU 1  
Aleksey Chesnokov  
Vladimir Dodin  
Ivan Popovich  
Coach: Kirill Butin

**Radboud University**

www.ru.nl/english

Team name: That empty teamname  
Thijs Miedema  
Bas Nieuwenhuizen  
David Venhoek  
Coach: Joshua Moerman

**Saratov State University**

sgu.ru

Team name: Saratov SU Daemons  
Edvard Davtyan  
Vitaliy Kudasov  
Danil Sagunov  
Coach: Michael Mirzayanov

**St. Petersburg Academic University**www.spbau.ru/main\_eng/info\_main\_eng  
Team name: SPbAU 1 Generation Ž

Egor Bogomolov  
Nikita Podguzov  
Petr Smirnov  
Coach: Sergey Kopeliovich

**St. Petersburg National Research University of ITMO**

en.ifmo.ru

Team name: SPb ITMO University 1  
Adam Bardashevich  
Anton Kovsharov  
Vladimir Smykalov  
Coach: Andrey Stankevich

**St. Petersburg State University**

eng.spbu.ru

Team name: SPb SU 1: Base  
Stanislav Ershov  
Alexey Gordeev  
Igor Pyshkin  
Coach: Andrei Lopatin

**Taras Shevchenko National University of Kyiv**

www.univ.kiev.ua

Team name: Flawless  
Mykhailo Chornyi  
Roman Furko  
Dmytro Ihnatenko  
Coach: Vitalii Bondarenko

**Universitat Politècnica de Catalunya**

www.upc.edu

Team name: Twelve seconds  
Ferran Alet  
Angel Garcia Gomez  
Albert Martínez  
Coach: Salvador Roura

**University of Helsinki**

www.helsinki.fi/university

Team name: Game of Nolife  
Otte Heinävaara  
Olli Hirviniemi  
Tuuukka Korhonen  
Coach: Antti Laaksonen

**University of Warsaw**

www.uw.edu.pl

Team name: Warsaw Eagles 2016  
Wojciech Nadara  
Marcin Smulewicz  
Marek Sokołowski  
Coach: Jan Madey

**University of Wroclaw**

www.uni.wroc.pl

Team name: UWr1  
Bartłomiej Dudek  
Maciej Dulęba  
Mateusz Gołębiewski  
Coach: Krzysztof Lorys

**University of Zagreb**

www.unizg.hr

Team name: Zagreb  
Ivan Lazarić  
Mihael Liskij  
Tonko Sabolčec  
Coach: Krešimir Malnar



### **Ural Federal University**

[www.ustu.ru](http://www.ustu.ru)

Team name: Ural FU: Dandelion

Alexey Danilyuk

Oleg Merkurev

Nikita Sivukhin

Coach: Mikhail Rubinchik

### **Utrecht University**

[www.uu.nl](http://www.uu.nl)

Team name: Curiously recurring

Ragnar Groot Koerkamp

Timon Knigge

Harry Smit

Coach: Josse van Dobben de Bruyn

### **Zaporizhzhya National Technical University**

[zntu.edu.ua](http://zntu.edu.ua)

Team name: ZNTU\_SetUp

Andrii Bezsonov

Viktoria Kosarenko

Yevhen Zadorozhnii

Coach: Natalia Myronova

# **Latin America**

### **Escuela Superior De Computo Instituto Politecnico Nacional**

[www.escom.ipn.mx](http://www.escom.ipn.mx)

Team name: La Carabina del AC

Filiberto Fuentes Hernandez

Luis Martin Jiménez Rodríguez

Sergio Adonais Romero González

Coach: Edgardo Adrian Franco Martinez

### **Instituto Tecnológico Autónomo de México**

[www.itam.mx](http://www.itam.mx)

Team name: Los Románticos

Demian Espinosa Ruiz

Freddy Román Cepeda

Diego Terán Ríos

Coach: Maria Fernanda Pineda Bonnin

### **ITESM Campus Monterrey**

[www.mty.itesm.mx](http://www.mty.itesm.mx)

Team name: HaKings

Alfredo Altamirano Montealvo

Carlos Salvador Garza Garza

Diego Emilio Gutierrez Yepiz

Coach: Luis Humberto González

### **Universidad de Buenos Aires - FCEN**

[exactas.uba.ar](http://exactas.uba.ar)

Team name: PUMMAS

Miguel Maurizio

Sebastián Prillo

Alfredo Umfurer

Coach: Agustin Santiago Gutiérrez

### **Universidad de Chile**

[www.dcc.uchile.cl](http://www.dcc.uchile.cl)

Team name: Squash Masters

Felipe Contreras

Juan Pablo Paulsen Casanueva

Ronie Salgado

Coach: Camilo Garrido

### **Universidad de La Habana**

[www.uh.cu](http://www.uh.cu)

Team name: UH\_REFRESH

Sandor Garcia

Abel Ramos

Norge Vizcay Zaldívar

Coach: Alfredo Somoza Moreno



**Universidad de los Andes, Colombia**

[www.uniandes.edu.co](http://www.uniandes.edu.co)

Team name: Programators Mark II

Santiago Ceron

Emanuel Krivoy

Rafael Mantilla

Coach: Mario Sánchez

**Universidad de Oriente - Sede Antonio Maceo**

[www.uo.edu.cu](http://www.uo.edu.cu)

Team name: Conquer & Divide

Alexander Bestard Rivera

Aurora Gil Pons

Eduardo Pascual Aseff

Coach: Eloy Rafael Oliveros Domínguez

**Universidade de São Paulo**

[www.usp.br](http://www.usp.br)

Team name: Sua mãe

Yan Couto

Giovana Delfino

Gabriel Oliveira

Coach: Renzo Gomez

**Universidade de São Paulo - Campus de São Carlos**

[www.icmc.usp.br](http://www.icmc.usp.br)

Team name: Bob

Tomás Raphael Rizzo Fonseca

Bruno Sanches

Danilo Tedeschi

Coach: Bianca Madoka Shimizu Oe

**Universidade Estadual de Campinas**

[www.ic.unicamp.br](http://www.ic.unicamp.br)

Team name: BibleThump

Augusto dos Santos Morgan

Ivan Henrique Petrin

Tiago Reis

Coach: Fábio Luiz Usberti

**Universidade Federal da Bahia**

[www.ufba.br](http://www.ufba.br)

Team name: ROBÉRIO E SEUS TECLADOS

Guilherme Bernal

Roberto Caldeira

Jonathan Queiroz

Coach: Mauricio Pamplona Segundo

**Universidade Federal de Campina Grande**

[www.ufcg.edu](http://www.ufcg.edu)

Team name: Abella e as feras

Felipe Abella Cavalcante Mendonça de Souza

Árysson Figueiredo

Manoel Lucas Urbano de Barros Lins

Coach: Rohit Gheyi

**Universidade Federal de Pernambuco**

[www.cin.ufpe.br](http://www.cin.ufpe.br)

Team name: Turing-indecisos

Duhan Caraciolo

Mário Henrique da Silva

Gustavo Stor

Coach: Katia Guimarães

**Universidad Nacional de Colombia - Bogotá**

[www.unal.edu.co](http://www.unal.edu.co)

Team name: UNDynamic

Juan Felipe Baquero Vargas

Ivan Castellanos

Andres Felipe Cruz Salinas

Coach: Diego Ivan Caballero Rodríguez

**Universidad Nacional de Ingeniería - FIIS**

[www.fiis.uni.edu.pe](http://www.fiis.uni.edu.pe)

Team name: 1000KB

Victor Alin Cueva Llanos

Josué Andrés Julcarima Calle

Diego Mauricio Mansilla Mallqui

Coach: Rodolfo Moisés Mercado Gonzales

**Universidad Nacional de Rosario**

[www.unr.edu.ar](http://www.unr.edu.ar)

Team name: Caloventor en Dos

Mariano Crosetti

Martín Villagra

Pablo Zimmermann

Coach: Leopoldo Taravilse

**Universidad Simón Bolívar**

[www.usb.ve](http://www.usb.ve)

Team name: RAM

Augusto Hidalgo

Rubmary Rojas

Mathias San Miguel

Coach: Ricardo Monascal



# North America

## California Institute of Technology

[www.caltech.edu](http://www.caltech.edu)

Team name: Kiss a Wookiee

Albert Gural

Ching Yun Hsu

Taokun Zheng

Coach: Donald Pinkston

## Carnegie Mellon University

[www.cmu.edu](http://www.cmu.edu)

Team name: CMU1

Naomi Rubin

Matthew Savage

Xinyu Wu

Coach: Danny Sleator

## Cornell University

[www.cornell.edu](http://www.cornell.edu)

Team name: snoopy fan club

Sakethnath Are

Victor Reis

Jake Silverman

Coach: Daniel Fleischman

## Harvard University

[www.harvard.edu](http://www.harvard.edu)

Team name: Harvard

Calvin Deng

Johnny Ho

Scott Wu

Coach: Robert L. Walton

## Illinois Institute of Technology

[www.iit.edu](http://www.iit.edu)

Team name: Illinois Tech

Andrei Dumitru

Benjamin Grimmer

Todor Markov

Coach: Gruia Calinescu

## Iowa State University

[www.iastate.edu](http://www.iastate.edu)

Team name: Freelancers

Nathan De Graaf

Jacob Smith

Yuxiang Zhang

Coach: Simanta Mitra

## Massachusetts Institute of Technology

[web.mit.edu](http://web.mit.edu)

Team name: MIT ZERO

Brian Chen

Steven Hao

Andrew He

Coach: Aleksandar Zlateski

## Ohio State University

[www.osu.edu](http://www.osu.edu)

Team name: Future\_Gazer

Jian Wang

Dingkang Wang

Te Zhang

Coach: Suyi Wang

## Rice University

[www.rice.edu](http://www.rice.edu)

Team name: Rice Gray

Visit Pataranutaporn

Philip Taffet

Jose Carlos Vera-Garza

Coach: John Greiner

## South Dakota School of Mines and Technology

[www.sdsmt.edu](http://www.sdsmt.edu)

Team name: SDSMT Hardrockers

Daniel Andrus

Matthew Dyke

Rachel Krohn

Coach: Antonette Logar

## Stanford University

[www.stanford.edu](http://www.stanford.edu)

Team name: Stanford Cardinal

Joshua Alman

Hubert Teo

Yuetong Wang

Coach: Gerald Cain

## The University of South Dakota

[www.usd.edu](http://www.usd.edu)

Team name: USD A

Ben Erickson

Mitchell Peterson

Kurtis Van Gent

Coach: Doug Goodman



**University of British Columbia**

www.ubc.ca  
Team name: UBC+  
Brian Chau  
Hung li Chen  
Yuanchen Du  
Coach: Mushfiqur Rouf

**University of California at Berkeley**

www.berkeley.edu  
Team name: Berkeley Blue  
Alexander Dai  
Weiqiao Han  
Pasin Manurangsi  
Coach: Paul Hilfinger

**University of Central Florida**

www.ucf.edu  
Team name: UCF Knights  
Evan Dorundo  
Michael Kirsche  
Stephen Royal  
Coach: Ali Orooji

**University of Chicago**

www.cs.uchicago.edu  
Team name: Sufficiently Advanced Tech  
Nikolas Anderson  
Mihai Andreescu  
Scott Shi  
Coach: Borja Sotomayor

**University of Illinois at Urbana-Champaign**

illinois.edu  
Team name: Poor Man's Shield  
Lan Dao  
Xin Gao  
Siwakorn Srisakaokul  
Coach: Uttam Thakore

**University of Minnesota - Twin Cities**

www.umn.edu  
Team name: Benchwarmers  
BatOrgil Batsaikhan  
Lucas Knutson  
Hidenori Shinohara  
Coach: Luc Nelson

**University of North Carolina at Chapel Hill**

www.cs.unc.edu  
Team name: Dayton Goliath Trees  
Dayton Ellwanger  
Forrest Li  
David Spencer  
Coach: Ketan Mayer-Patel

**University of Southern California**

www.usc.edu  
Team name: USC Trojans  
Ho Ching Justin Cheng  
Zekun Li  
Yuehui Wang  
Coach: David Kempe

**University of Utah**

www.utah.edu  
Team name: Uncompilables  
William Li  
Liam Machado  
Samuel Zachary  
Coach: Peter Jensen

**University of Virginia**

www.virginia.edu  
Team name: foo  
Alec Grieser  
Derek Morris  
Andrew Norton  
Coach: Aaron Bloomfield

**University of Waterloo**

www.uwaterloo.ca  
Team name: Waterloo Black  
Yi Feng Huang  
Jacob Jackson  
Antonio Molina Lovett  
Coach: Troy Vasiga

**University of Wisconsin - Madison**

www.wisc.edu  
Team name: SmileDog  
Krittsak Chaiyakul  
Ingkarat Rak-amnouykit  
Songwong Tasneeyapant  
Coach: Dieter van Melkebeek

**Virginia Tech**

www.cs.vt.edu  
Team name: Java the Hutt  
Dustin Pho  
Peter Steele  
Christopher Wu  
Coach: Godmar Back



Sino-Portuguese Architecture in Phuket Old Town

Wat Chaiyathataram (Chalong Temple)



# 2016 World Finals

## Awards



# The 2016 Mark Measures Distinguished Service Award

Presented to

The Fortieth Annual  
ACM International Collegiate  
Programming Contest  
sponsored by IBM



**John Bonomo**  
Westminster College

for outstanding service to the ICPC since 1989, serving as coach, regional judge, chief regional judge, World Finals judge, and, since 2011, World Finals Chief Judge.

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

**19 May 2016, Phuket, Thailand**



The Fortieth Annual  
ACM International Collegiate  
Programming Contest  
sponsored by IBM

# The 2016 Joseph S. De Blasi Outstanding Contribution Award

Presented to



**Amarin Deemagarn  
Seksun Suwanmanee  
Petcharat Suriyachai  
Sangsuree Vasupongayya  
Anant Choksuriwong  
Wasimon Panichpattanakul  
Pracha Asawateera**

for seven years of dedication, leadership, service, and zeal  
advancing the universities of Thailand and throughout  
Southeast Asia to full participation in the ICPC.

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

**19 May 2016, Phuket, Thailand**



# The 2016 UPE Distinguished International Service Award

Presented to

The Fortieth Annual  
ACM International Collegiate  
Programming Contest  
sponsored by IBM



## Prince of Songkla University

for leadership in hosting local, national, and regional contests,  
for advocating excellence in the software arts, and for serving  
as

**Host**

of the 2016 ACM-ICPC World Finals.

The Distinguished International Service Award is presented annually to an institution or institutions that have played instrumental roles in the success of international educational programs for ten or more years.

**19 May 2016, Phuket, Thailand**



The Fortieth Annual  
ACM International Collegiate  
Programming Contest  
sponsored by IBM

# The 2016 UPE Distinguished International Service Award

Presented to



**Worawut Wisutmethangoon**

Vice President for Academic Affairs for Phuket campus and World Finals Host Committee Vice-Chairman



**Puwadon Butrat**

Vice President for Phuket Campus and World Finals Host Committee Chairman



**Chusak Limsakul**

President of PSU and World Finals 2016 Director



**Pattara Aiyarak**

Vice President for Global Relations and Informatics



**Perapong Tekasakul**

Vice President for Research System and Graduate Studies



**Udomphon**

**Peutpaiboon**

Dean of Faculty of Engineering



**Pun**

**Thongchumnum**

Dean of Faculty of Technology and Environment



**Prathana**

**Kannaovakun**

Dean of Faculty of Hospitality and Tourism



**Sontaya**

**Anakasiri**

Dean of Faculty of International Studies



**Wannarat**

**Suntiamorntut**

Head of Department of Computer Engineering



# The 2016 Outstanding International Service Award

The Fortieth Annual  
ACM International Collegiate  
Programming Contest  
sponsored by IBM

Presented to



สำนักงานส่งเสริมอุตสาหกรรมซอฟต์แวร์แห่งชาติ [องค์การมหาชน]  
Software Industry Promotion Agency (Public Organization)

**SIPA**  
Software Industry Promotion Agency (Public Organization)

for championing competitive programming in industry and among ICPC universities in Thailand and throughout Southeast Asia, and for its service to the global community as

**Host Partner**  
of the  
**2016 ACM-ICPC World Finals.**

The ICPC Outstanding International Service Award is presented annually to an individual, group, or institution who have played an instrumental role in advancing international educational programs that open doors of opportunity for future opportunity creators and problem solvers.

**19 May 2016, Phuket, Thailand**



The Fortieth Annual  
ACM International Collegiate  
Programming Contest  
sponsored by IBM

# The 2016 Outstanding International Service Award

Presented to



**Jirawan Boonperm**  
Chairperson of the Executive Board of SIPA



**Supachai Jongsiri**  
Executive Board and Acting President of SIPA

19 May 2016, Phuket, Thailand



# The 2016 World Finals Outstanding Judge Award

Presented to

The Fortieth Annual  
ACM International Collegiate  
Programming Contest  
sponsored by IBM



**Per Austrin**  
**KTH Royal Institute of Technology, Stockholm**

for outstanding service to the ICPC as  
**World Finals Judge**  
from 2008 through 2016.

The World Finals Outstanding Judge Award is presented to a World Finals judge who has played an instrumental role in the success of the ACM International Collegiate Programming Contest World Finals by being a regular contributor to the contest problem set and bringing innovations to the judging process.

**19 May 2016, Phuket, Thailand**



The Fortieth Annual  
ACM International Collegiate  
Programming Contest  
sponsored by IBM

# 2016 Senior Coaching Awards

15 years bringing teams to  
the World Finals

## Dieter van Melkebeek

### University of Wisconsin-Madison

Working with the bright and super-motivated students that the ICPC invariably attracts. The problems pique their interest and challenge their programming skills. It is very rewarding to guide the students and see them grow throughout the competition. I also enjoy thinking about the problems myself. Some of the problems are true gems!



## Andrey Stankevich

### St. Petersburg National Research University of ITMO

As a coach, I greatly enjoy being able to work with the brightest and most dedicated students. Their desire to learn and achieve is the reason I keep working hard in preparing teams for the World Finals. As a coach, I am responsible for everything, theory, practice, team work. I try to make the most comfortable environment for the team and let the students to perform the best they can. Actually, my students are what I enjoy most being a coach.



# 2016 Coaching Awards

5 or more years bringing teams to  
the World Finals

The Fortieth Annual  
ACM International Collegiate  
Programming Contest  
sponsored by IBM



**Sharat Chandran**

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**Indian Institute of Technology Bombay**

I enjoy being the perpetual student.



**Katia Guimarães**

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**Universidade Federal de Pernambuco  
(UFPE)**

I was invited to be a judge in the very first edition of the ICPC in Brazil, in 1996. On that occasion, our team did not do so well, so I decided that my priority should be to raise the bar on programming in my own university. In the following year, I became a coach and we got the second place in the Brazilian Regional, but there was only one spot at the Finals, so we did not make it.

In 1998, the UFPE team was the best in Brazil, and we came to the ICPC Finals, in 1999, for the first time. The passion and commitment of these students for this competition along the years has kept the flame alive to this day. Titles are great and we love them, but helping to open doors for many of our students to grow and thrive in world class companies has no price! Being part of that is certainly what I enjoy the most!



# **Agustín Santiago Gutiérrez**

## **Universidad de Buenos Aires - FCEN**

There are two things that I enjoy the most about being a coach. One is the fact that by coaching I stay immersed in the beautiful, unique ACM-ICPC community, where so many people make so many awesome things happen. The other one is the fact that by coaching, I can help many others learn and grow through contests and training, in just the same way that contests and training have been extremely influential in my personal life.



# **Shahidul Islam**

## **University of Central Florida**

2012 Warsaw World Finals was one of the most memorable things for me, as that was not only my first time in the world finals, but for my university, SUST, as a result of almost a decade of efforts and gradual improvement. But this 2016 is going to be significantly memorable for me in the future. This is the year when I already feel proud that both of my universities, UCF and SUST, have made it to the World Finals for 5 consecutive years, and I am filled with hope that our contestants will make me even prouder soon enough.



# **Weiwei Sun**

## **Fudan University**

The members of the ICPC teams are the most intelligent and diligent students. I was very happy to help them grow up fast.





## Sun Teck Tan

### National University of Singapore

I have enjoyed seeing the ICPC community grow in NUS, both in number of students and their abilities to solve more and more difficult problems. My most memorable achievement as a coach was when our team won the Jakarta Regional Contest for the first time by beating some of the best teams from the region.



## Steven Zielinski

### University of Central Florida

My favorite part about being a coach is seeing the dawning recognition students get when they see a new algorithm or make a new leap in logic for the first time. The moments where I showed them that algorithm or logical leap are the ones that really stick with a teacher and make him want to continue teaching.





# ICPC

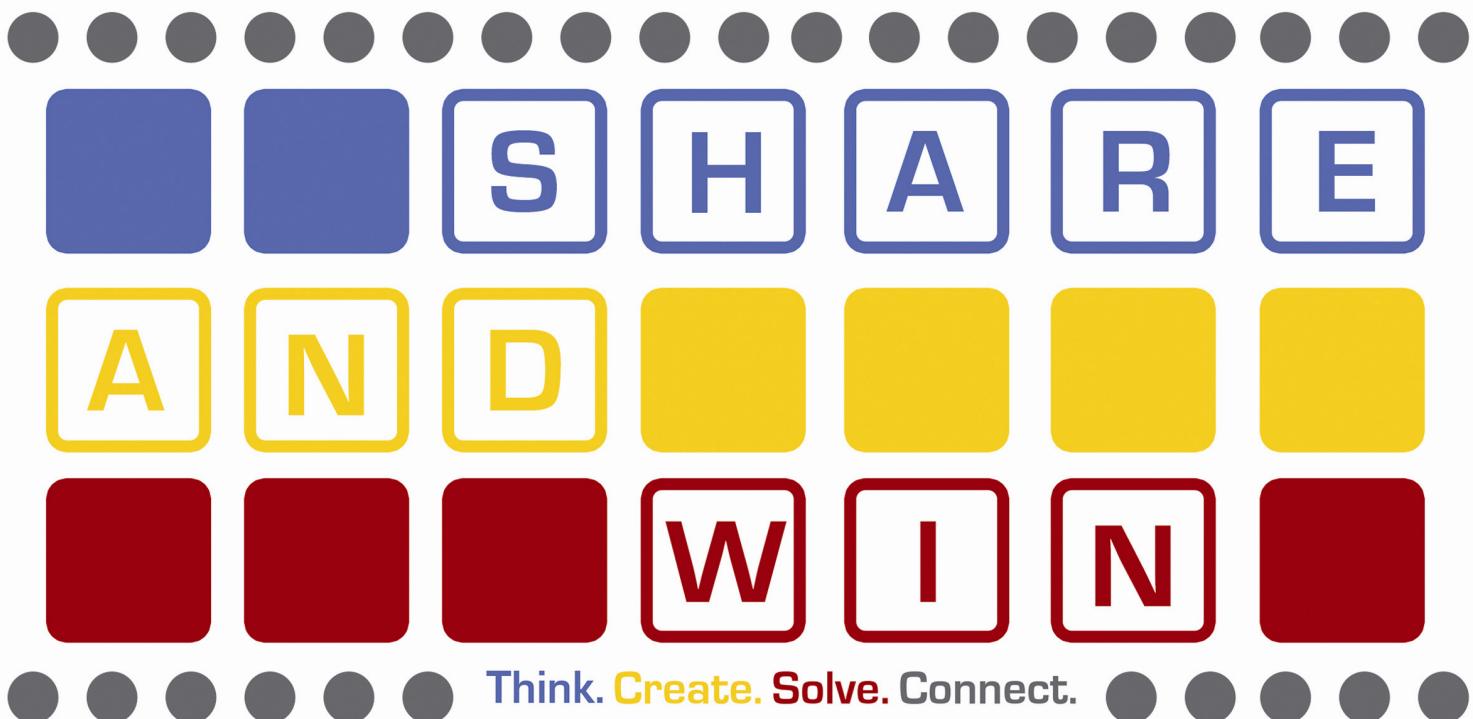


# QUEST

## Compete. Play. Make New Friends!

ICPCQuest is an online game designed for World Finals contestants, coaches, volunteers, and fans to interact with each other and win prizes for top Quest scores!

- 1 • Go to [myicpc.icpcnews.com](http://myicpc.icpcnews.com)
- 2 • Click Quest in the menu
- 3 • Complete tasks with #ICPC2016
- 4 • Watch the leader board and win prizes!



Think. Create. Solve. Connect.

Connect to the conversation.

Brought to you by



#ICPC2016



Karon View Point overlooking at three famous beaches, Kata Noi, Kata Yai and Karon)

# Location



# Venues

## Phuket Sports Arena

Phuket Sports Arena is an air-conditioned gymnasium designated for indoor sports and activities. It is a great stadium with 4,000 seats for spectators located in the Saphanhin Sports Complex, near Phuket downtown, among other municipality stadiums owned by City of Phuket.

The contest area is set up in the Arena and the places nearby are prepared for welcoming ICPC participants.



## Phuket FantaSea

Phuket FantaSea is the ideal all-in-one entertainment venue capable of accommodating any size group for daytime or evening events in an enchanting atmosphere of tropical splendor and rich cultural ambience.

Phuket FantaSea's complete range of production resources include state-of-the-art lighting and audio systems, professional multi-format media projection, custom choreographed pyrotechnics, full color multiple laser projection systems, special effects, costume design and scenic construction. In addition, the event services extend to such unique features as live animal performances, spellbinding magical illusions and its own in-house cast of dancers, actors, acrobats and MC's.



# Hotels

## Le Méridien Phuket Beach Resort

The hotel, situated oceanfront on a secluded cove on Phuket's south-western coast, offers limitless discoveries, facilities and services that are sure to exceed the creative needs and wants of discerning guests, whether on leisure or business. Enjoy a secluded pristine beach with a full array of land and sea sport facilities, restaurants and bars, swimming pools, Le Spa, and an onsite discovery center for kids.



## Mövenpick Resort and Spa

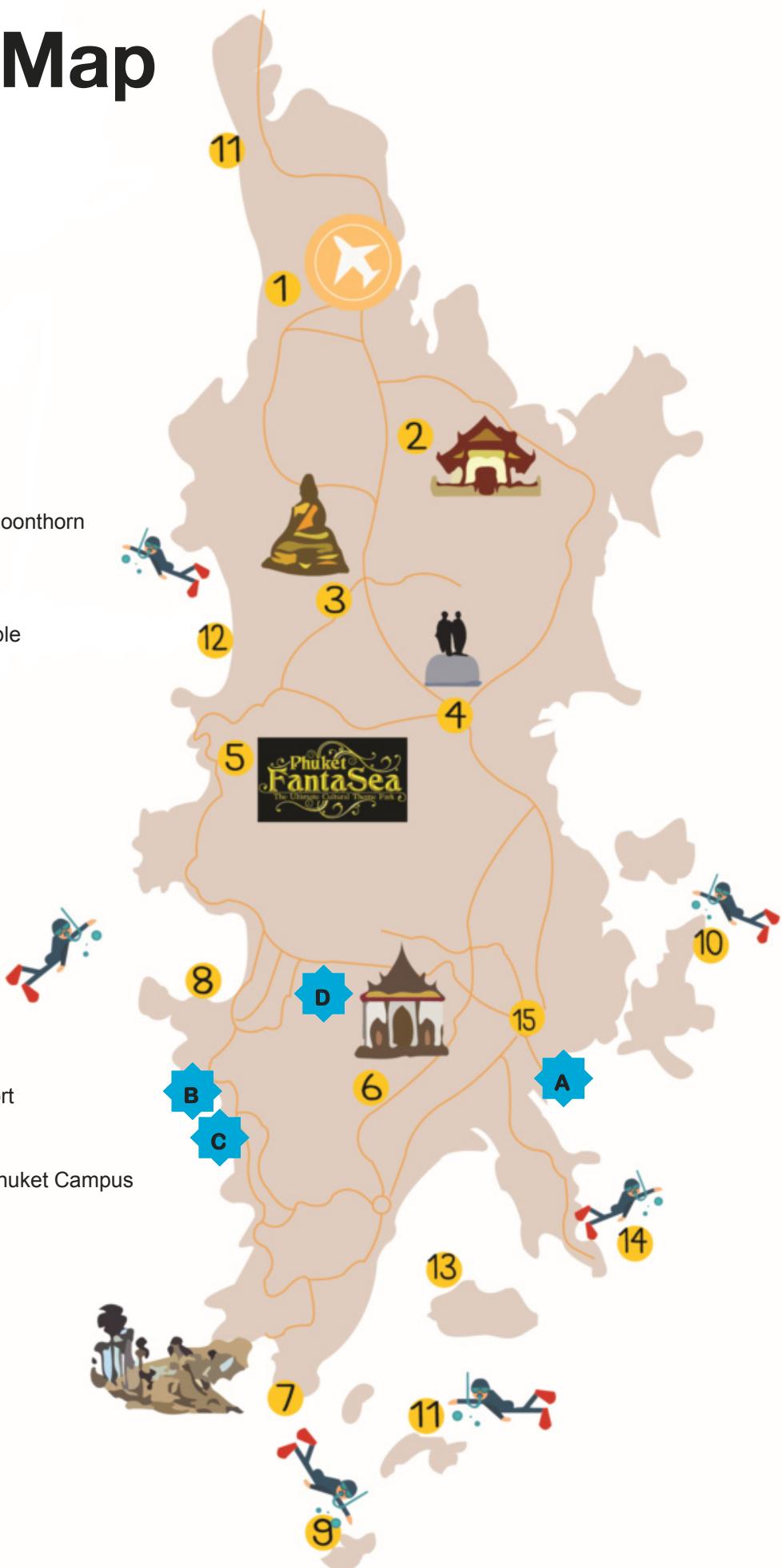
Surrounded by magnificent tropical gardens, Mövenpick Resort and Spa Karon Beach Phuket is centrally located in Phuket and only steps away from Karon Beach, one of the longest and most impressive beaches in Phuket. Patong is only 15 minutes away by taxi or tuk-tuk while Phuket International Airport takes approximately a 50-minute drive from the resort. The resort features 113 elegant villas ranging from Garden Villas with outdoor rain forest showers to Plunge Pool Villas and Penthouse Plunge Pool Villas with rooftop sundecks and plunge pools. All 250 rooms and suites are equipped with excellent amenities.



# Phuket Map

## Attractions & Venues

- 1 Phuket International Airport
- 2 Phra Nang Sang Temple
- 3 Phra Thong Temple
- 4 Thao Thep Kasattri & Thao Sri Soonthorn Heroines Monument
- 5 Phuket FantaSea
- 6 Chaiyatharam (Chalong) Temple
- 7 Phrom Thep Cape
- 8 Patong Beach
- 9 Raya Yai Island
- 10 Sire Island
- 11 Mai Khao Beach
- 12 Bang Tao Beach
- 13 Lon Island
- 14 Panwa Cape
- 15 Phuket Town
- A Phuket Sports Arena
- B Le Méridien Phuket Beach Resort
- C Mövenpick Resort and Spa
- D Prince of Songkla University - Phuket Campus



# Transportation

**Saturday May 14, 2016 - Arrival**

**Sunday May 15, 2016 - Arrival & Welcome**

**Monday May 16, 2016 - RCDS I / Beach Day for Teams++**

From May 14 to May 16, transfer from the Phuket International Airport to Le Méridien Phuket Beach Resort / Mövenpick Resort and Spa, depending on the arrival flight schedules (official request).

**Tuesday May 17, 2016—IBM Tech Trek / RCDS II / Opening Ceremony**

13.30 Transfer from Le Méridien / Mövenpick Hotel to Phuket Fantasea

22.00 Transfer from Phuket Fantasea to Le Méridien / Mövenpick Hotel

**May 18, 2016— Dress Rehearsal**

06.50 Transfer from Le Méridien / Mövenpick Hotel to Sport Arena

14.00 Transfer from Sport Arena to Le Méridien / Mövenpick Hotel

**May 19, 2016— World Finals**

06.50 Transfer from Le Méridien / Mövenpick Hotel to Sport Arena

18.30 Transfer from Sport Arena to Le Méridien / Mövenpick Hotel

**May 20 - 21, 2016—Departure**

Every 30 mins from 5.00 till 18.00 on May, 20

Every 30 mins from 5.00 till 13.00 on May, 21

Note: on-site request compulsory

## Transfer between Hotels

There are shuttle vans for transferring between Le Méridien and Mövenpick Hotels.

Every 15 mins from 17.30 until 24.00 on May, 16

Every 15 mins from 8.00 until 13.00 on May, 17

Every 15 mins from 18.00 until 24.00 on May, 18-19

## Please do not miss the bus departure time!

You can always ask the volunteers to help you with any transportation issue.

Contact our Host Transportation Team at [transportation2016@acmicpc.org](mailto:transportation2016@acmicpc.org) for all transportation related questions.





# Volunteers



# ICPC Staff

Vitalii Aksenov, ICPC Live	Carlos Marcelino Casas Cuadra do, CLI Symposium	Roman Elizarov, ICPC Live - Director
Roy Andersson, Deputy Director of Regional Contests	Tomáš Černý, ICPC Lead Developer	Tommy Färnqvist, ICPC Analytics
Samir Ashoo, ICPC SysOps	Dale Chang, ICPC Manager Assistant	Taylor First, ICPC Ceremonies
Helén Augustini, RCDS Assistant	Elaine Poucher Chang, ICPC Manager Assistant	Zach First, ICPC Services
Per Austrin, World Finals Judge	Linda Chen, Cisco - Operations Manager, Re search & Open Innovation	Mohamed Fouad, ICPC Director of Logistical Opera tions and ACPC Executive Director
Osman Ay, World Finals Judge	John Clevenger, ICPC Technical Director	Marc Furun, CLI Symposium
Erich Baker, ICPC HQ Delegation	Kevin Clevenger, ICPC Ceremonies Coordinator	James Gage, ICPC Manager Assistant
Lori Baker, ICPC HQ Delegation	James Comer, ICPC Director of Regional Contests	Melinda Poucher Gage, ICPC Manager Assistant
Daniel Beard, ICPCNews - Video	Johnathan Comer, ICPC Manager Assistant	Mikael Goldmann, World Finals Contest Control System - Director
Babak Behsaz, World Finals Judge	Marjene Comer, ICPC Manager Assistant	Michael Goldwasser, World Finals Judge
James Bennighof, Baylor University Vice Provost for Academic Affairs and Policy	Blake Copeland, ICPCNews - Video	Cary Gooding, Cisco - Academic Engagement Man ager, Research & Open Innovation
Jean Luca Bez, CLI Symposium	Mattias de Zalenski, World Finals Contest Control System	Walter Guttmann, World Finals Judge
John Bonomo, World Finals Chief Judge	Iakov Dlugach, ICPC Analytics	Bjarki Águst Guðmundsson, World Finals Contest Control System
Bill Booth, CLI Symposium - Director	Hans Domjan, ICPCNews - Producer/Photo Man agement	Felix Halim, CLI Symposium
Troy Boudreau, ICPC SysOps	Jeff Donahoo, ICPC Deputy Executive Director	Alex Halperin, ICPC Operations
Stephen Bourne, ACM President Emeritus and ICPC Director of Ceremonies	Lisa Donahoo, ICPC Contest Manager	Greg Hamerly, World Finals Judge
Cameron Bryson, ICPC Manager Assistant	Dorothy Edwards, ICPCNews - Video	Fredrik Heintz, ICPC Analytics Director
Chelsea Bryson, ICPC Manager Assistant	Jaap Eldering, ICPC Analytics/CCS	Nicole Hosh, ICPCNews Social Media



<b>Sharon Humphrey,</b> ICPC Registrar	<b>Cathrine Linnes,</b> UPE Executive Council	<b>Maddy Renström,</b> ICPC Guest Services Assistant
<b>Patrick Hynan,</b> ICPC Deputy Director of Operations	<b>Orlando Madrigal,</b> UPE Executive Director	<b>Mikael Renström,</b> ICPC Director of Guest Services
<b>Bettina Johnson,</b> ICPCNews - Director	<b>Anna Malova,</b> ICPC Live - Software	<b>Miguel A. Revilla,</b> CLI Symposium
<b>Keith Johnson,</b> ICPC Analytics/CCS	<b>Shahriar Manzoor,</b> World Finals Judge	<b>Miguel Revilla Rodríguez,</b> CLI Symposium
<b>Martin Kacer,</b> World Finals Judge	<b>Pavel Mavrin,</b> ICPC Live - Art Director	<b>Jacob Robinson,</b> ICPCNews - Video
<b>Anup Kalbalia,</b> CLI Symposium	<b>Mark McCreary,</b> ICPC HQ Delegation	<b>Bob Roggio,</b> UPE Executive Council
<b>Karel Kalecky,</b> ICPC Services	<b>Susan McNealy-Minor,</b> ICPC Ceremonies	<b>Carolyn Roggio,</b> UPE - ICPC Registration
<b>Matvey Kazakov,</b> ICPC Director of Operations	<b>Bruce Merry,</b> World Finals Judge	<b>Matthias Ruhl,</b> World Finals Judge
<b>Ben Kelley,</b> ICPC Chief Marshal	<b>Charles Nevile,</b> ICPC Live - Correspondent	<b>Cindy Ryan,</b> ACM Associate Director of Membership
<b>Andrew Kim,</b> ICPC Services	<b>Fredrik Niemelä,</b> World Finals Contest Control System	<b>Pat Ryan,</b> ACM Chief Operating Officer
<b>Thijs Kinkhorst,</b> ICPC Analytics/CCS	<b>Niyaz Nigmatullin,</b> ICPC Live	<b>Bobby Schnabel,</b> ACM Executive Director and CEO
<b>Derek Kisman,</b> World Finals Judge	<b>Stein Norheim,</b> ICPC Analytics	<b>Laura Sepanski,</b> ICPC Manager Assistant
<b>Sofia Kondrashina,</b> ICPC Operations and Ceremonies	<b>Beckylin Orooji,</b> ICPC Volunteer	<b>Mark Sepanski,</b> ICPC HQ Delegation
<b>Dima Korolev,</b> ICPC Volunteer	<b>Betty Orooji,</b> ICPC Volunteer	<b>Vinit Shah,</b> CLI Symposium
<b>Pavel Krotkov,</b> ICPC Live - Software	<b>Lidia Perovskaya,</b> ICPC Live Video Director	
<b>Jan Kubicek,</b> ICPC Services	<b>Jo Perry,</b> ICPC Director of Judging	
<b>Egor Kulikov,</b> ICPC Live - Commentator	<b>Justin Philalack,</b> ICPCNews - Video	
<b>Mikhail Kutsov,</b> ICPC Live	<b>Charles Piland,</b> ICPCNews - Photographer	
<b>Rob Lake,</b> ICPC Volunteer	<b>Jeffrey Popyack,</b> UPE Executive Council	
<b>Douglas Lane,</b> ICPC SysOps	<b>Rene Popyack,</b> UPE - ICPC Registration	
<b>José Paulo Leal,</b> CLI Symposium	<b>Marsha Poucher,</b> ICPC Contest Manager	
<b>Mikhail Levin,</b> ICPC Analytics	<b>William Poucher,</b> ICPC Executive Director	



<b>Greg Shepherd,</b> Cisco Distinguished Engineer	<b>Patrick Sweitzer,</b> ICPC SysOps	<b>Tobias Werth,</b> ICPC Analytics/CCS
<b>Anders Sjöqvist,</b> ICPC Analytics	<b>Neilor Tonin,</b> CLI Symposium	<b>Stanley Wileman,</b> World Finals Judge
<b>Jan Sladek,</b> ICPC Services	<b>Cheryl Tucker,</b> ICPC Registrar Assistant	<b>Jakub Wojtaszczyk,</b> World Finals Judge
<b>Bob Smith,</b> ICPCNews - Photographer	<b>Egle Uljas,</b> ICPC Manager Assistant	<b>Alexander Wolf,</b> ACM President
<b>Pehr Söderman,</b> World Finals Contest Control System	<b>Ria van Ouwerkerk,</b> ICPC ISC Secretary	<b>Adam Wolffbrandt,</b> ICPCNews - Video
<b>Monika Steinova,</b> ICPC Analytics	<b>Victoria Volochay,</b> ICPC Live - Staff	<b>Angela Wu,</b> UPE Executive Council
<b>David Sturgill,</b> ICPC Analytics and Graphics	<b>Morgan Walker,</b> ICPCNews - Video	<b>James E Wu,</b> UPE - ICPC Registration
<b>Michal Svagerka,</b> ICPC Analytics	<b>Tina Wang,</b> ICPC Volunteer	<b>Moon Jee Yoo,</b> UPE - ICPC Registration



# Regional Contest Directors

<b>Magaz Asanov,</b> NEERC Eastern Subregional Contest - Director	<b>Dawei Hu,</b> Asia EC-Final Associate RCD	<b>Linda Marshall,</b> South Africa Regional Contest - Director
<b>Ivona Bezakova,</b> North America Northeast - Director	<b>C. Jinshong Hwang,</b> Asia Contests - Director	<b>Bakhyt Matkarimov,</b> NEERC Kazakhstan Subregional Contest - Director
<b>Prabir Kumar Biswas,</b> Asia Kharagpur - Director	<b>Ossama Ismail,</b> North Africa and Middle East Contests - Director	<b>Sean McIntyre,</b> North America Greater New York - Director
<b>Tom Capaul,</b> North America Pacific Northwest - Director	<b>Gwangbyol Jong,</b> Asia Pyongyang - Associate Director	<b>Khine Moe Nwe,</b> Asia Yangon - Director
<b>Malcolm Corney,</b> South Pacific Regional Contest - Director	<b>Yukiyoji Kameyama,</b> Asia Tsukuba - Director	<b>Ali Orooji,</b> North America Contests - Director
<b>Edward Corwin,</b> North America Mid-Central - Director	<b>Viktor Khlebnikov,</b> Latin America/South America/South Director and Peru Contest - Director	<b>Anton Pankratiev,</b> NEERC Moscow Subregional Contest - Director
<b>Ricardo Dahab,</b> Latin America Contests - Director	<b>Hee-Chul Kim,</b> Asia Daejeon - Director	<b>Vladimir Parfenov,</b> Northeastern Europe and Russian Federation Contests - Director
<b>James Davenport,</b> Northwestern Europe Regional Contests - Director	<b>Alexander Klenin,</b> NEERC Far Eastern Subregional Contest - Director	<b>Katsiaryna Paziura,</b> NEERC Western Subregional Contest - Director
<b>Vahram Dumanyan,</b> NEERC Armenia Subregional Contest - Director	<b>Robert Kramer,</b> North America East Central - Director	<b>Yen Lina Prasetyo,</b> Asia Jakarta - Director
<b>Antonina Fedorova,</b> NEERC Southern Subregional Contest - Director	<b>Elena Kryuchkova,</b> NEERC Siberian and Far Eastern - Director	<b>Charles Riedesel,</b> North America North Central - Director
<b>Carlos Alberto Fernandez Guillot,</b> Latin America/Mexico and Central America - Director	<b>Jimmy H. M. Lee,</b> Asia Hong Kong - Director	<b>Dovier Antonio Ripoll Méndez,</b> Latin America/Caribbean Contest - Director
<b>Carlos Ferreira,</b> Latin America/South America/Brazil Contest - Director	<b>Wenxin Li,</b> Asia Beijing - Director	<b>Arun K Saha,</b> Asia India-Final Honor Director
<b>Mohammad Ghodsi,</b> Asia Tehran - Director	<b>Rung Bin Lin,</b> Asia Chung-Li - Director	<b>Anand Shenoi,</b> Asia Amritapuri - Director
<b>Phalguni Gupta,</b> Asia Kolkata - Director	<b>Warren D. MacEvoy,</b> North America Rocky Mountain - Director	<b>Miao Shi,</b> Asia Dalian - Associate Director
<b>Abul L. Haque,</b> Asia Dhaka - Director	<b>Krešimir Malnar,</b> Central Europe Regional Contests - Director	<b>Fernando Silva,</b> Southwest Europe Regional Contests - Director
<b>Maung Htay,</b> North America Mid-Atlantic - Director	<b>Bozena Mannova,</b> Europe Contests - Director	



<b>D Venkata Subramanian,</b> Asia Chennai - Director	<b>Kardi Teknomo,</b> Asia Manila - Director	<b>Sergey Videnin,</b> NEERC East Siberian Subregional Contest - Director
<b>Khawaja Muhammad Umar Suleman,</b> Asia Lahore - Director	<b>Tran Minh Van,</b> Asia Nha Trang - Director	<b>Xu Xu,</b> Asia EC-Final Honor Director and VP of ShU
<b>Athasit Surarerks,</b> Asia Bangkok - Associate Director	<b>Isaac Traxler,</b> North America South Central USA - Director	<b>Lizhi Zhang,</b> Asia Shenyang - Director
<b>Nicolae Tăpuş,</b> Southeast Europe Regional Contests - Director	<b>Kathy Traxler,</b> North America South Central USA - Director	<b>Xue-hui Zhang,</b> Asia Qingdao - Associate Director

# Regional Contest Support

<b>Maha Ben Abdallah,</b> ERCD Deputy in Tunisia	<b>Raewyn Boersen,</b> South Pacific Contest - Advisor	<b>Chenglie Du,</b> Asia Council Member
<b>Roberto Abreu,</b> Latin America/Caribbean - PUCMM Executive Director	<b>Noura Boubou,</b> ACPC Media - Deputy Director	<b>Asmae El Mahdi,</b> ACPC - Magreb Area Coordinator
<b>Faisal Abu Khzam,</b> Deputy ACPC Steering Committee Chair	<b>Adel Bouhoula,</b> ACPC Steering Committee Member - Tunisia	<b>Ahmad El-sayed,</b> ACPC System Administrator
<b>Bruno Junqueira Adami,</b> Latin America Contests - Problem Committee	<b>James Bowring,</b> North America Southeast USA - Site Director	<b>Ahmed El-Shenawy,</b> ACPC HQ
<b>Youssef Alaoui,</b> Moroccan Collegiate Programming Contest Chair	<b>Nourhene Bziouech,</b> TCPC System Administrator	<b>Islam El Tayar,</b> ACPC Judge
<b>Ricardo Anido,</b> Latin America Contests - Deputy Director and Problem Committee - Director	<b>Beatriz Caicedo,</b> Latin America/South America/North - Colombia Contest Org. and Logistics - Director	<b>Yousry Elgamal,</b> ACPC - Steering Committee Chair
<b>Rodolfo Azevedo,</b> Latin America/Brazil - Training Camp Director	<b>Rodrigo Cardoso,</b> Latin America/South America/North - Director and Colombia Contest - Director	<b>Mounir Frikha,</b> ACPC Steering Committee - Tunisia
<b>Yubin Bao,</b> Asia Shenyang Committee Member	<b>Tatyana Churina,</b> NEERC West Siberian Subregional Contest - Judge	<b>Donna Furon,</b> Southern California - Registrar
<b>Tarek Barakat,</b> ACPC Steering Committee Member - Syria	<b>Kyung Yong Chwa,</b> Asia Daejeon Committee Member	<b>Rafael Garcia,</b> Latin America/South America/North - Chief Judge
<b>Artem Belyaev,</b> NEERC Kyrgyzstan Subregional Contest - Director of Operations	<b>Sarra Dakhlaoui,</b> ERCD Assistant in Tunisia	<b>Sandra Margarita Garcia-Herreros Sánchez,</b> Latin America/South America/North - Logistics/Colombia
<b>Darcy Best,</b> South Pacific Contest - Chief Judge	<b>Yomna Darwich,</b> ACPC Guest Relations Director	<b>Aijun Gu,</b> Asia EC-Finals - Coordinator
		<b>Fredrik Heintz,</b> Europe Contests - Deputy Director

<b>Maria Heneide Garrido Rangel,</b> Latin America/South America/North - Venezuela - Volunteer	<b>Sidi Ali Maelainin,</b> 2015 World Finals Director and Maghreb Area Chair	<b>Karel Richta,</b> CZ ACM President and UPE Student Coordinator
<b>Jose Trinidad Gomez Barreto,</b> Latin America/South America/North - Venezuela Contest - Director	<b>Pavel Mandrik,</b> NEERC Western Subregional Contest - Chairman of Organizing Committee	<b>Phil Robbins,</b> South Pacific Contest - Admin. Manager
<b>Tang Hao,</b> Asia Dalian - Committee Member	<b>Volodymyr Mesyura,</b> Southeast Europe Regional Contests Vinnytsia Site - Director	<b>Camilo Rocha,</b> Latin America/South America/North - Systems/Colombia
<b>Nicole Hosh,</b> ACPC Media - Director	<b>Federico Meza,</b> Latin America/South America/South - Chile Contest Director	<b>Hector Rodríguez Figueredo,</b> Latin America/Caribbean Contest - Cuban Sponsor
<b>Jeff Ifland,</b> North America North Central - Volunteer	<b>Yonny Mondelo Hernández,</b> Latin America/Caribbean - Chief Judge	<b>Rafael P. Saldana,</b> Asia Manila Committee Member
<b>Kiyoshi Ishihata,</b> Asia Council Member	<b>Abdelrahman Mostafa,</b> ACPC Director of Operations	<b>Olis Sanchez,</b> Latin America/South America/North - Venezuela Volunteer
<b>Michael Junge,</b> North America Southern California - Representative	<b>Pau Suan Mung,</b> Asia Yangon - Coordinator	<b>Fidel Ivan Schaposnik Massolo,</b> Latin America Contests - Problem Committee
<b>Georgiy Korneev,</b> NEERC - Deputy Director	<b>Phyu Hninn Myint,</b> Asia Yangon - Committee Member	<b>Etibar Seyidzade,</b> NEERC Azerbaijan Subregional Contest - Chief Judge
<b>Jan Kubr,</b> CTU - Open Director	<b>Khaled F. Nasseredin,</b> Coach Academy/ACPC Training Partner	<b>Guillermo Solis,</b> Latin America/South America/North - Webmaster and Panama - Contest Director
<b>Heesub Kwak,</b> Asia Daejeon - Advisor	<b>Claudia Navarrete,</b> Latin America/South America/South - Chile - Assistant Contest Director	<b>Pedro Taveras,</b> Latin America/Caribbean - PUCMM Dean of the Engineering Sciences Faculty
<b>Mi Soo Kwon,</b> Asia Daejeon - Advisor	<b>Tatyana Nesterenko,</b> NEERC West Siberian Subregional Contest - Judge	<b>Lê Hoàng Thanh,</b> Asia Nha Trang Coordinator
<b>Gabriela Lamas Oliva,</b> Latin America/Mexico and Central America - Assistant to Mexico Contest Director	<b>Sergii Petrov,</b> Europe Southeastern Ukraine Site Software - Team Leader	<b>Jose Tronchoni,</b> Latin America/South America/North - Venezuela Volunteer
<b>Don Khue Le,</b> Asia Nha Trang Committee Member	<b>Willmar Alex Pimentel Sossa,</b> Latin America/South America/South - Bolivia Contest - Director	<b>David Van Brackle,</b> North America Southeast USA - Chief Judge
<b>Xin Li,</b> Asia Qingdao Committee Member	<b>Vladimir Pinaev,</b> NEERC Central Subregional Contest - Deputy Director	<b>Guofeng Wang,</b> Asia Dalian Committee Member
<b>DongMei Li,</b> Asia Provincial/National Contest Coordinator	<b>Ana María Portocarrero,</b> Latin America/South America/South - Peru - Assistant Contest Director	<b>Shiyuan Wang,</b> Asia Shenyang Coordinator
<b>XiaoFeng Liu,</b> Asia Shenyang Committee Member	<b>Eddy Ramírez,</b> Latin America/Mexico and Central America - Costa Rica - Contest Director	<b>Wei Xu,</b> Asia EC-Finals - Senior Advisor
<b>Antonette Logar,</b> North America Contests - Deputy Director	<b>Bruno Ribas,</b> Latin America/Brazil - Systems	<b>Yasser Yahia,</b> ACPC Judge
<b>Irene Loiseau,</b> Latin America/South America/South - Argentina Contest Director		
<b>Nguyen Long,</b> Asia Nha Trang Committee Member		



**Ryan Stansifer,**  
North America Southeast USA -  
Director  
**Rie Shigetomi Yamaguchi,**  
Asia Council Member  
**Tae-Cheon Yang,**  
Asia Daejeon - Deputy Director

**Jingshan Yu,**  
Asia Council Member  
**Rahaf Zalaf,**  
ERCD Assistant in Syria  
**Hamid Zarabi-Zadeh,**  
Asia Tehran CoDirector

**Teodore Zarkua,**  
NEERC Georgia Subregional Trans -  
Caucasian Site - Director  
**John Zhang,**  
North America Greater New York -  
Deputy Director  
**Baraa Zieni,**  
ACPC Social Activity - Director

# Future World Finals

**Edward Corwin,**  
Rapid City Delegation  
**Wandong Ding,**  
Beijing Delegation  
**Zhiyong Dong,**  
Beijing Delegation  
**Qianquian Feng,**  
Beijing Delegation  
**Song Gao,**  
Beijing Delegation  
**Nancy Gowen,**  
Rapid City Delegation  
**Richard Gowen,**  
Rapid City Delegation  
**Tanya Gray,**  
Rapid City Delegation  
**Paul Hinker,**  
Rapid City Delegation

**Tiffany Kaminski,**  
Orlando Delegation  
**Aliina Khadieva,**  
Kazan Delegation  
**Kamil Khadiev,**  
Kazan Delegation  
**Robin Knight,**  
Orlando Delegation  
**Lisa Lang-Storms,**  
Rapid City Delegation  
**Rong Li,**  
Beijing Delegation  
**Wenxin Li,**  
Beijing Delegation  
**Antonette Logar,**  
Rapid City Delegation  
**Guojie Luo,**  
Beijing Delegation

**Volodymyr Mesyura,**  
Ukraine Delegation  
**Patricia Miller,**  
Rapid City Delegation  
**Karen Moawad,**  
Kochi Delegation  
**Sergii Petrov,**  
Ukraine Delegation  
**Julie Schmitz Jensen,**  
Rapid City Delegation  
**Beverly Seay,**  
Orlando Delegation  
**Anand Shenoi,**  
Kochi Delegation  
**Paula Skelly,**  
Rapid City Delegation  
**Karen Whitehead,**  
Rapid City Delegation



# IBM

**Sylvain Barbeau,**  
IBM Events Team  
**Aaron Baughman,**  
IBM Technology Team  
**Sergey Belov,**  
IBM University Relations  
**Jasmal Chaggar,**  
IBM Systems Team  
**Nathan Chaney,**  
IBM Technology Team  
**Courtney Coolidge,**  
IBM Media Relations Team  
**Steve Dale,**  
IBM Technology Team  
**Tim deBoer,**  
IBM Technology Team  
**Melissa Elliott,**  
IBM Events Team  
**Briana Frank,**  
IBM Technology Team

**Julian Friedman,**  
IBM Technology Team  
**Scott Gilmore,**  
IBM Events Team  
**Christina Harmon,**  
IBM University Recruiting Team  
**Andrew Hately,**  
IBM Technology Team  
**Chris Hupman,**  
IBM Systems Team  
**Chris Iijima,**  
IBM Systems Team  
**Matina Kalkounis,**  
IBM Events Team  
**Debbie Kilbride,**  
IBM Project Administrator  
**Megan Kostick,**  
IBM Technology Team  
**Liz Kueper Durst,**  
IBM Technology Team

**Gerry Lane,**  
IBM ACM-ICPC Sponsorship Executive  
**Erin Lehr,**  
IBM Media Relations Team  
**Anthony Lewitt,**  
IBM University Recruiting Team  
**Lingshan Lu,**  
IBM Media Relations Team  
**Jacquie Luscombe,**  
IBM Events Team  
**Jason McGee,**  
IBM Technology Team  
**John Meegan,**  
IBM ACM-ICPC Sponsorship Manager  
**Huy Ngo,**  
IBM Technology Team



# Host Staff Volunteers

<b>Thanapatt Aidkanan,</b> Public Relation (PR) / Press	<b>Puwadon Butrat,</b> 2016 World Finals Host Committee Chairman	<b>Hemmawan Homhuan,</b> Accounting / Finance
<b>Pattara Aiyarak,</b> Public Relation (PR) / Press	<b>Sudarat Chaikeeree,</b> Accounting / Finance	<b>Waree Homsawat,</b> Secretary / Documentation
<b>Pensiri Akkajit,</b> Volunteer	<b>Kochanipa Chaipon,</b> Registration	<b>Patthawee Insuwanno,</b> Hotel / Food / Meeting Space
<b>Patummas Akaniththakorn,</b> Public Relation (PR) / Press	<b>Kesinee Chaisri,</b> Public Relation (PR) / Press	<b>Waewta Intarachit,</b> Volunteer
<b>Sontaya Anakasiri,</b> 2016 World Finals Host Committee / Ceremonies/ Reception	<b>Sophal Chan,</b> Public Relation (PR) / Press	<b>Patama Intarasuwan,</b> Volunteer
<b>Touchai Angchuan,</b> 2016 World Finals Host ISP/AV/ Networks Coordinator	<b>Rungsirin Chanhom,</b> Hotel / Food / Meeting Space	<b>Naseehah Jama,</b> Contest Area
<b>Keeree Anukunkanl,</b> Public Relation (PR) / Press	<b>Kullawat Chaowanawatee,</b> 2016 World Finals Host Social Media	<b>Thinnakorn Janajian,</b> Accounting / Finance
<b>Saowaluck Ardaiam,</b> Secretary / Documentation	<b>Sakuna Charoenpanyasak,</b> 2016 World Finals Host Printed Goods Coordinator	<b>Rattana Jangpiboonpong,</b> Volunteer
<b>Thanita Areerob,</b> Contest Area	<b>Anant Choksuriwong,</b> Internet / ICPCLive	<b>Surawut Japrang,</b> Volunteer
<b>Pracha Asawateera,</b> 2016 World Finals Host Committee/ SIPA	<b>Pipat Chooto,</b> Public Relation (PR) / Press	<b>Pichai Jarernpon,</b> Public Relation (PR) / Press
<b>Supranee Bamrungpak,</b> Secretary / Documentation	<b>Supaporn Chorkaew,</b> Secretary / Documentation	<b>Khattiyaporn Jaroenwatanan,</b> Public Relation (PR) / Press
<b>Sitee Bintoheem,</b> Volunteer	<b>Chawanan Chupeng,</b> 2016 World Finals Host Visa Team	<b>Tatiyaporn Jarumaneerat,</b> 2016 World Finals Host Hotel Sleeping Room Coordinator
<b>Chantinee Boonchai,</b> Public Relation (PR) / Press	<b>Sippy Das,</b> Public Relation (PR) / Press	<b>Pichyada Jeokwon,</b> 2016 World Finals Host Visa Team
<b>Preecha Boonlamp,</b> Internet / ICPCLive	<b>Amarin Deemagarn,</b> 2016 World Finals Deputy Director	<b>Suwapat Jinda,</b> Hotel / Food / Volunteer
<b>Pichaya Boonyanuwat,</b> Contest Area	<b>Kwankamon Dittakan,</b> Brochure - Pocket Guide	<b>Ruangrat Jirathiwarutkun,</b> Volunteer
<b>Wiphada Buranasutthikul,</b> Secretary / Documentation	<b>Nida Ham-Ngarm,</b> Volunteer	<b>Nattakan Juntin,</b> Secretary / Documentation
<b>Nualjan Buree,</b> Secretary / Documentation	<b>Apichat Heednacram,</b> Accounting / Finance	<b>Watcharin Kaewapichai,</b> 2016 World Finals Host Committee
	<b>Chamikorn Hiranrat,</b> Contest Area	<b>Amonpun Kaewsit,</b> Hotel / Food / Meeting Space



<b>Surachai Kalong,</b> Internet / ICPCLive	<b>Noppon Lertchuwongsa,</b> 2016 World Finals Host Technical Operations	<b>Wasimon Panichpattanakul,</b> 2016 World Finals Host Ceremonies Coordinator
<b>Sakarin Kammanee,</b> Hotel / Food / Meeting space	<b>Pittaya Limbut,</b> Volunteer	<b>Amornrat Pankao,</b> Secretary / Documentation
<b>Sinchai Kamonpiwong,</b> 2016 World Finals Host Committee	<b>Chusak Limsakul,</b> 2016 World Finals Director	<b>Pathummalai Pattaro,</b> 2016 World Finals Host Food and Beverage Coordinator
<b>Komsan Kanjanasit,</b> 2016 World Finals Host Transportation	<b>Wadcharawadee Limsakul,</b> Committee	<b>Varangkana Petyotin,</b> Registration
<b>Prathana Kannaovakun,</b> 2016 World Finals Committee / Hotel	<b>Apisara Mahaphuntong,</b> Accounting / Finance	<b>Charoen Phromrit,</b> 2016 World Finals Host Committee
<b>Montri Karnjanadecha,</b> 2016 World Finals Host Committee	<b>Jarin Manfeukpan,</b> Committee	<b>Viroj Phutong,</b> Contest Area
<b>Sukhuma Ketsuwan,</b> 2016 World Finals Host Visa Team	<b>Tiptida Martra,</b> Hotel / Food / Meeting Space	<b>Sasikarn Phuworn,</b> Accounting / Finance
<b>Wimon Khamchan,</b> Volunteer	<b>Sununta Mronprong,</b> Volunteer / Secretary / Doc	<b>Yannawat Phuworn,</b> Contest Area
<b>Amatawit Khamhang,</b> Contest Area / Internet	<b>Wisansaya Muenta,</b> Volunteer	<b>Surachet Pinkeaw,</b> Public Relation (PR) / Press
<b>Kant Khongkhelai,</b> Public Relation (PR) / Press	<b>Thawat Musikatham,</b> 2016 World Finals Host Committee/ Volunteer	<b>Pipat Pipitpattanapong,</b> Internet / ICPCLive
<b>Krittibhas Khwanyuen,</b> Hotel / Food / Meeting Space	<b>Nattawat Nltikunanon,</b> Public Relation (PR) / Press	<b>Jiraporn Pongsooknirn,</b> Public Relation (PR) / Press
<b>Wilawan Kiattragul,</b> Volunteer	<b>Paphichaya Nakaphithayaphorn,</b> Secretary / Documentation	<b>Piengjun Potchararungroj,</b> Contest Area
<b>Prapasara Kitpaiboothawee,</b> Public Relation (PR) / Press	<b>Aziz Nanthaamornphong,</b> Contest Area	<b>Napacha Papawadee,</b> Volunteer
<b>Werapong Koedsin,</b> 2016 World Finals Host Public Relations and Decorations	<b>Pimplapat Nhukong,</b> Transportation	<b>Nittaya Pratheepnathalang,</b> Secretary / Documentation
<b>Chantira Kongkawong,</b> Registration	<b>Kantinan Nokbanjong,</b> Secretary / Documentation	<b>Orawan Pratuyai,</b> Ceremonies / Reception
<b>Sarawut Kongmoh,</b> Hotel / Food / Meeting Space	<b>Julalak Phimarn,</b> Volunteer	<b>Nachon Prayoonwong,</b> Transportation / Volunteer
<b>Ruthairat Konmai,</b> 2016 World Finals Host Visa Coordinator	<b>Krittimum Noorerk,</b> Contest Area	<b>Monthon Prompat,</b> Volunteer
<b>Rungnapha Kotsombut,</b> Contest Area	<b>Nuanwan Nutadhira,</b> Printed Goods / Accounting	<b>Kamontorn Prompitak,</b> Volunteer
<b>Kittinan Krueaphat,</b> Public Relation (PR) / Press	<b>Watcharee Padpol,</b> 2016 World Finals Host Committee / Volunteer/ Secretary	<b>Natpaphat Promsawat,</b> Secretary / Documentation
<b>Charoon Kueachoo,</b> 2016 World Finals Host Committee/ Contest Area	<b>Nawaporn Panchasawan,</b> Accounting / Finance	
<b>Sumana Laparojkit,</b> Public Relation (PR) / Press	<b>Pansiri Pangmee,</b> Secretary / Documentation	



<b>Bongkot Prucksapong,</b> Transportation	<b>Kamonwan Sangtong,</b> Registration	<b>Tawatos Suwanro,</b> Public Relation (PR) / Press
<b>Udomphon Puetpaiboon,</b> 2016 World Finals Host Committee	<b>Saowalak Sanguankham,</b> Hotel / Food / Meeting Space	<b>Sorlae Taleh,</b> Volunteer
<b>Maneenate Puongmanee,</b> 2016 World Finals Host Transportation	<b>Supaporn Sealim,</b> Secretary / Documentation	<b>Pichaya Tandayya,</b> 2016 World Finals Host Brochure/ Pocket Guide Coordinator
<b>Avirut Puttiwongrak,</b> Contest Area	<b>Pasit Seksan,</b> Contest Area	<b>Chuanpit Tantivit,</b> 2016 World Finals Host Student Volunteer Coordinator
<b>Nipa Rak sarat,</b> Accounting / Finance	<b>Kittasil Silanon,</b> 2016 World Finals Host Hotel and Conference Space Meeting Room Coordinator	<b>Teerayut Tanya,</b> Volunteer
<b>Panupong Rattanatongma,</b> Public Relation (PR) / Press	<b>Wansit Siriluck,</b> Internet / ICPLive	<b>Aree Teeraparbseree,</b> Printed Goods (Shirts, Gifts)
<b>Benjawan Rianrom,</b> 2016 World Finals Host Visa Coordinator	<b>Siriporn Sirisuwapong,</b> Public Relation (PR) / Press	<b>Perapong Tekasakul,</b> 2016 World Finals Host Committee
<b>Anupong Rongmak,</b> Contest Area	<b>Jutatip Sittichai,</b> Accounting / Finance	<b>Jirawat Thaenthong,</b> Internet / ICPLive
<b>Pariyaporn Roop-O,</b> Contest Area / Volunteer	<b>Benjarat Sittikullanant,</b> Volunteer	<b>Jaranya Thamaro,</b> Registration
<b>Tanyarat Runjul,</b> Hotel / Food / Meeting Space	<b>Natrada Songied,</b> Secretary / Documentation	<b>Kewalin Thammasitboon,</b> Public Relation (PR) / Press
<b>Pasan Sae-Lee,</b> Volunteer / Secretary / Doc	<b>Juthamas Songkaew,</b> Public Relation (PR) / Press	<b>Nuwan Thapthiang,</b> 2016 World Finals Host Visa Team
<b>Rungroad Saejung,</b> Internet / ICPLive	<b>Phanaranan Sontiwanich,</b> Public Relation (PR) / Press	<b>Phatcharee Thepnimit,</b> 2016 World Finals Host Student Volunteer Coordinator
<b>Sukonrat Saejung,</b> Accounting / Finance	<b>Wathanan Srinin,</b> 2016 World Finals Host Student Volunteer Coordination	<b>Pun Thongchumnum,</b> 2016 World Finals Committee / Contest Area
<b>Chatrapat Saengngoeng,</b> Public Relation (PR) / Press	<b>Orachorn Sukpram,</b> Secretary / Documentation	<b>Nitiwat Thongkao,</b> Contest Area
<b>Monruedee Saetae,</b> Registration	<b>Wannarat Suntiamorntut,</b> 2016 World Finals Host Printed Goods	<b>Chaniththa Thongpeang,</b> Volunteer
<b>Amonrat Sahapattanawana,</b> Hotel / Food / Meeting Space	<b>Jalit Supaviriyakorn,</b> Public Relation (PR) / Press	<b>Pakkawat Tongboon,</b> Contest Area
<b>Wilaiporn Sakulon,</b> Public Relation (PR) / Press	<b>Petcharat Suriyachai,</b> 2016 World Finals Host Ceremonies Coordinator	<b>Thanyathat Tongboon,</b> Volunteer
<b>Ausanee Samarnmit,</b> Contest Area	<b>Thongchai Suteerasak,</b> Contest Area	<b>Nattapong Tongtep,</b> Contest Area
<b>Thammaratt Samitalampa,</b> 2016 World Finals Host Transportation Coordinator	<b>Seksun Suwanmanee,</b> 2016 World Finals Host Deputy World Finals Director	<b>Wanchitra Towanlong,</b> 2016 World Finals Host Brochure/ Pocket Guide
<b>Esther Sangiamkul,</b> 2016 World Finals Host Committee	<b>Supreeda Suwannarat,</b> 2016 World Finals Host Committee	





<b>Noppakhun Tuntisuphawong,</b> Public Relation (PR) / Press	<b>Arkom Wangmuang,</b> 2016 World Finals Host Committee	<b>Surarak Wichupankul,</b> 2016 World Finals Host Hotel Team
<b>Sutita Tussanapanu,</b> Registration	<b>Pattira Wannajaro,</b> Public Relation (PR) / Press	<b>Worawut Wisutmethangoon,</b> 2016 World Finals Committee Vice Chairman
<b>Masnee Vichian,</b> Registration	<b>Buapet Wanwalai,</b> Secretary / Documentation	<b>Chotima Witthayasirikul,</b> Hotel / Food / Meeting Space
<b>Aekawat Wachiraphan,</b> Contest Area	<b>Voravika Wattanasoontorn,</b> Contest Area	<b>Lakana Wiyasing,</b> Public Relation (PR) / Press
<b>Nitiphoom Waitira,</b> 2016 World Finals Host Visa Team	<b>Warodom Werapun,</b> 2016 World Finals Host Technical Operations Coordinator	<b>Voranuch Yanasakd,</b> Volunteer
<b>Pattaraporn Wangbua,</b> Public Relation (PR) / Press	<b>Rattana Wetprasit,</b> 2016 World Finals Host Public Relations and Decoration Coordinator	

# Host Student Volunteers

<b>Annis Abdulhakim,</b> Host Student Volunteer / COE	<b>Pichayapa Audsin,</b> Host Student Volunteer / FHT	<b>Jirayu Chinnawong,</b> Host Student Volunteer / TE
<b>Assara Adam,</b> Host Student Volunteer / COE	<b>Thanyamai Awaivanon,</b> Host Student Volunteer / FIS	<b>Chutikarn Chog,</b> Host Student Volunteer / COE / ICPC News
<b>Nichanan Aemaek,</b> Host Student Volunteer / FHT	<b>Khulika Boonkhum,</b> Host Student Volunteer / COE	<b>Aunchaleeporn Chokpornchai,</b> Host Student Volunteer / FHT
<b>Kingkaew Apichatmate,</b> Host Student Volunteer / TE	<b>Kiattisak Boontago,</b> Host Student Volunteer / COE	<b>Piyaphan Chomsuwan,</b> Host Student Volunteer / TE
<b>Pannicha Apinsathanon,</b> Host Student Volunteer / FIS	<b>Tatpong Bupphan,</b> Host Student Volunteer / TE	<b>Junjura Choosri,</b> Host Student Volunteer / COE
<b>Peeranath Aranperm,</b> Host Student Volunteer / Photographer	<b>Chanaporn Chadpattananan,</b> Host Student Volunteer / FIS	<b>Wachira Chotirat,</b> Host Student Volunteer / COE
<b>Warunya Armad,</b> Host Student Volunteer / FHT	<b>Suthasinee Chai-iad,</b> Host Student Volunteer / FIS	<b>Peangrawee Chumnuan,</b> Host Student Volunteer / FIS
<b>Teerapong Arunrat,</b> Host Student Volunteer / COE	<b>Nattaya Chaicharoensub,</b> Host Student Volunteer / FIS	<b>Palita Chunworn,</b> Host Student Volunteer / COE
<b>Kawisara Assanangkornchai,</b> Host Student Volunteer / FIS	<b>Atipa Chaichaum,</b> Host Student Volunteer / FHT	<b>Surasak Daengmani,</b> Host Student Volunteer / COE
<b>Nawapong Atiwattananon,</b> Host Student Volunteer / TE	<b>Nattakan Chaiyasena,</b> Host Student Volunteer / TE	<b>Ukrit Damkliang,</b> Host Student Volunteer / COE
<b>Kanita Atthatham,</b> Host Student Volunteer / FHT	<b>Jirunya Chimkhan,</b> Host Student Volunteer / FIS	<b>Yada Dansuwanmek,</b> Host Student Volunteer / FIS



<b>Patimapohn Doungsuwan,</b> Host Student Volunteer / FHT	<b>Watcharakhon Keawjun,</b> Host Student Volunteer / COE	<b>Patsakorn Na-nakorn,</b> Host Student Volunteer / Photogra- pher
<b>Wasit Duangpiboon,</b> Host Student Volunteer / COE	<b>Benjawan Keeyasoot,</b> Host Student Volunteer / COE	<b>Saknarong Nakrot,</b> Host Student Volunteer / COE
<b>Kotchakorn Eua-ampon,</b> Host Student Volunteer / FIS	<b>Niramol Khumban,</b> Host Student Volunteer / COE	<b>Thanakorn Nitsiri,</b> Host Student Volunteer / COE
<b>Panruethai Foithong,</b> Host Student Volunteer / FIS	<b>Thanatorn Kiatcheeranan,</b> Host Student Volunteer / COE	<b>Manop Nookaew,</b> Host Student Volunteer / COE
<b>Piranya Hab-u-so,</b> Host Student Volunteer / COE	<b>Chomchanok Kiewkong,</b> Host Student Volunteer / COE	<b>Suphachok Noopan,</b> Host Student Volunteer / TE
<b>Tassanee Hattiya,</b> Host Student Volunteer / TE	<b>Parichat Kimtong,</b> Host Student Volunteer / COE	<b>Mutita Nooset,</b> Host Student Volunteer / COE
<b>Rusnee Hayeedamah,</b> Host Student Volunteer / COE	<b>Narawich Kitisakronnakorn,</b> Host Student Volunteer / COE	<b>Witun Nopparattanaporn,</b> Host Student Volunteer / COE
<b>Pattiya Hemkat,</b> Host Student Volunteer / TE	<b>Kittipol Kongubol,</b> Host Student Volunteer / COE	<b>Jirawan Nualkhao,</b> Host Student Volunteer / COE
<b>Benjapon Hiran,</b> Host Student Volunteer / FHT	<b>Teeradet Kongwian,</b> Host Student Volunteer / FIS	<b>Wannaporn Nuamkongman,</b> Host Student Volunteer / TE
<b>Woratep Hirunsai,</b> Host Student Volunteer / TE	<b>Somchai Kraitep,</b> Host Student Volunteer / Photogra- pher	<b>Tossapon Nuanchuay,</b> Host Student Volunteer / COE
<b>Krittanan Hokhuadsim,</b> Host Student Volunteer / TE	<b>Chutipat Laoprasertsiri,</b> Host Student Volunteer / COE	<b>Soravut Nuangnong,</b> Host Student Volunteer / COE
<b>Sirinya Hwanphet,</b> Host Student Volunteer / TE	<b>Bandit Leeyuttanon,</b> Host Student Volunteer / COE	<b>Itsara Nulor,</b> Host Student Volunteer / COE
<b>Chanagun Intornjaroen,</b> Host Student Volunteer / COE	<b>Nititham Limjaiphet,</b> Host Student Volunteer / COE	<b>Narumol Ongsakul,</b> Host Student Volunteer / TE
<b>Pattragun Janpan,</b> Host Student Volunteer / TE	<b>Janjira Limpradit,</b> Host Student Volunteer / TE	<b>Kitti Onthong,</b> Host Student Volunteer / COE
<b>Mahisuan Kaewta,</b> Host Student Volunteer / COE	<b>Korncharoen Limsuebchuea,</b> Host Student Volunteer / FIS	<b>Yada Patchim,</b> Host Student Volunteer / TE
<b>Pattamaporn Jantanasamit,</b> Host Student Volunteer / COE	<b>Kamonphop Lohasomboon,</b> Host Student Volunteer / COE	<b>Apisit Panukul,</b> Host Student Volunteer / COE
<b>Nattawat Janurai,</b> Host Student Volunteer / TE	<b>Sasitron Manapong,</b> Host Student Volunteer / FHT	<b>Vichita Petchram,</b> Host Student Volunteer / FIS
<b>Panisa Jindawong,</b> Host Student Volunteer / FHT	<b>Vachira Mas-osot,</b> Host Student Volunteer / TE	<b>Grace Phanitchakorn,</b> Host Student Volunteer / COE
<b>Sawanya Jitaksorn,</b> Host Student Volunteer / FIS	<b>Panupong Muadlum,</b> Host Student Volunteer / COE	<b>Apichai Phanitkul,</b> Host Student Volunteer / COE
<b>Naiyanet Jongjitklang,</b> Host Student Volunteer / FIS	<b>Adithep Mudausen,</b> Host Student Volunteer / TE	<b>Thanatatpong Phetcharut,</b> Host Student Volunteer / COE
<b>Tiraphong Kachapol,</b> Host Student Volunteer / TE	<b>Krissadapan Na Takuatoong,</b> Host Student Volunteer / TE	<b>Akarat Phuetpan,</b> Host Student Volunteer / COE



<b>Jeeranun Pingsahuan,</b> Host Student Volunteer / COE	<b>Kunagorn Salithorn,</b> Host Student Volunteer / FHT	<b>Yodsawat Sujitraporn,</b> Host Student Volunteer / TE
<b>Ung Pkaypreak,</b> Host Student Volunteer / TE	<b>Patipat Samosorn,</b> Host Student Volunteer / FHT	<b>Chinnaphat Suranuntawong,</b> Host Student Volunteer / COE
<b>Nanthana Prajong,</b> Host Student Volunteer / FIS	<b>Asree Samuyae,</b> Host Student Volunteer / COE	<b>Benyathip Suwanchana,</b> Host Student Volunteer / COE
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<b>Kwanruethai Rattanaphan,</b> Host Student Volunteer / FIS	<b>Suvijak Saravornpong,</b> Host Student Volunteer / COE	<b>Butsayapan Suwanrungsee,</b> Host Student Volunteer / FIS
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