The Contest

The ACM International Collegiate Programming Contest (ACM/ICPC) is the largest programming contest among university and college students in the world. This contest was initiated 25 years ago by ACM and seeks to engage academics and the information technology industry in shining the spotlight on the next generation of computing professionals and scholars, and to encourage the development of and to recognize excellent team work, programming skills, and problem-solving talent.

ACM (Association for Computing Machinery), funded in 1947, is the world's first educational and scientific computing society

The contest is a two-tiered competition among teams of students representing institutions of higher education. Teams first compete in the regional contests held around the world from September to November each year. The winning team from each regional contest advances to the ACM/ICPC World Finals, normally held the following March to mid-April. Additional high-ranking teams may be invited to the World Finals as wild card teams.

Last year 2700 teams from 1079 universities of 70 countries participated in the regional contests around the world. 64 teams from 22 countries advanced to the World Finals in Vancouver, Canada, among which 14 teams were from Asian countries.

82 teams participated in Tehran contest last year and two teams from Sharif University of Technology (SUT) and Ferdowsi University of Mashad advanced to the 2001 World Finals. The team from SUT was awarded a prestigious silver medal and ranked 9th overall and 2nd among all Asian teams.

Tehran Site

For the third year, Sharif University of Technology will be hosting the ACM/ICPC regional contest as one of the 8 sites in Asia. Other sites are Dhaka in Bangladeh, Kanpur in India, Hakodate in Japan, Shanghai in China, Taejon in Korea, Hong Kong, Singapore, and Taiwan.

The Tehran contest is scheduled to be held in SUT during 7-8 November 2001 (Aban 16-17, 1379). We are expecting about 80 teams of university students from Iran and countries in the west of Asia and the Middle East.

The winning teams of Tehran contest will automatically advance to the 26th ACM/ICPC world finals to be held in Hawaii, USA, in March 20-24, 2002. ACM and IBM will bear part of the travelling expenses (up to US$4000) for each advancing team.

Computing Environment

Each team will use a single workstation with environment similar to the Word Finals. Delphi and C++ are the available programming languages. The details of the programming environment will be available in the contest website.

Summary of Rules and Judging

- Each team consists of up to three contestants. Each contestant must be a student enrolled in a university. At most one contestant of each team may hold a B.S. degree.
- Each team can participate in at most two regional contests in any Asian site each year.
- Only one team from a given institution may advance to the World Finals.
- A special prize will be awarded to the best all-girl team and a slot in the World Finals may be given to best such team in Asia.
- Contestants may bring resource materials such as books, manuals, and program listings. Contestants may not bring any machine-readable versions of software or data.
- Eight or nine problems will be posed in English to be solved in 5 hours.
- Each submitted solution to a problem is judged as accepted or rejected by a judge, and the team is notified of the results online.
- Teams are ranked according to the most problems solved. Teams with the same number of solved problems are ranked by the least total time. The total time is the sum of the time consumed for each <u>solved</u> problem. This is the time elapsed from the beginning of the contest to the submittal of the accepted run plus 20 penalty minutes for every rejected run for that problem regardless of submittal time.

Problem Selection

The scientific committee is responsible for preparing the contest problems which are selected from those proposed by its member and received from the participating teams. All universities are asked to contribute to this important task. A call for problem proposal will be sent out.

So far as possible, the problems will avoid dependence on detailed knowledge of a particular application area or programming language.

Contact

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Email: acmicpc@sharif.ac.ir,
Homepage: http://sharif.ac.ir/~acmicpc

More information can be found from the ACM main site at http://www.baylor.edu/acmicpc.

Main Supporter

Isiran Company

Other Supporters

Ministry of Science, Research, and Technology,
Iran High Council of Informatics,
Iran Telecommunication Research Center,
Ministry of Telecommunications,
Tehran Municipality

Registration Fees

Fee for each team	Sept 13, 2001 (Shahrivar 22)	Oct 22, 2001 (Mehr 31)
From Iran	250,000 Rials	350,000 Rials
From Abroad	Free	Free

Local registration fees should be paid to account #: 727.65, Bank Markazi Iran, in the name of the Sharif University of Technology.

Foreign Teams

Most foreign teams need visas for entering into Iran. These teams should prepare well in advance and send us all visa correspondence by Oct. 1.

Travel Fund

Each foreign team is paid some travel fund of at least $200.00 by the ACM.

Accommodations

There is no accommodation available in the university at the time of contest. Iranian teams should take care of their own accommodations. We can help them with hotel reservations, if needed. We will make hotel reservations for foreign teams.

Steering Committee

Honorary Chair:
Prof. Saeed Sohrabpour, Chancellor, Sharif University of Technology

Asia Region Director:
Prof. C. J. Hwang, Computer Science dept., South West Texas State University, USA

Tehran Site Director:
Dr. Mohammad Ghodsi

Department Chair:
Dr. Ghassem Miremadi

Scientific Committee:
Dr. Rasool Jalili, Chair
Mr. Ramtin Khosravi, Chief Judge
Dr. Mohammad Ghodsi
Mr. Ghassem JaberiPur,
Mr. Bahman Pourvatan,
Mr. Farshad Rostamabadi,
Mr. Bashir Sajjad,
Mr. Ehsan ChiniForooshan,
Mr. Mehdi Mirzazadeh,
Mr. Mohammad Safari

System:
Mr. Mohammad H. Khansari, Chair Mr. Kamran Bavar, system

Executive Director:
Mr. Hooshangnia

Public Relations and Publications:
Mr. Hashem Habibi, Chair,
Mrs. Shahindokht Shahnazi ,
Mr. Masoud Mohajer,
Mr. Mohsen Iranfard

International Relations:
Dr. Ali Movaghar

Office:
Mrs. Shahindokht Shahnazi

Registration Steps

1. Register your teams as early as possible at site: http://www.baylor.edu/acmicpc. Follow the registration link. The names of the team members can be finalized later.

2. Send (or fax) the receipt of registration fee payment (this must be received by the first deadline to use the discount fee). Additional team registrations is allowed after early registrations are complete.

3. By the final deadline, send us an official letter from your university officials containing the names of the participating team members.

4. Finalize your online registration (names, addresses, etc.) by the mentioned deadline.

Limits on the Number of Teams

There is a limit of two teams from each university, and a limit on the total number of teams that we can accept (about 80). Universities that had a team with rank below 15 in last contest, can register more teams with our prior approval.

Deadlines

Sept 13 (Shahrivar 22):
Deadline to use the discount registration fee for local teams. A copy of the payment receipt should be received by this date.
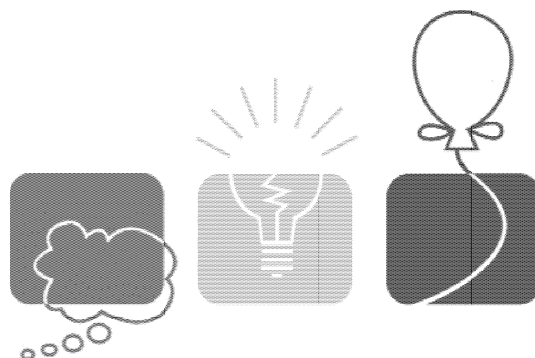
October 11 (Mehr 19):
Deadline for registration of local teams at the ACM/ICPC office. All documents must be received by this date. Registration may be closed after this deadline.

October 21 (Mehr 30):
Online registration of ALL teams should be complete by this date.

October 1: Participation confirmation for foreign teams.

Asia Region, Tehran Site

Computer Engineering Department
Sharif University of Technology
Tehran, Iran

November 7-8 2001 (Aban 16-17, 1380)