The 2009-2010 ACM International Collegiate Programming Contest

Sponsored by IBM

SOUTHEASTERN EUROPE REGION

Bucharest, October 15-18th, 2009

The Department of Computer Science and Engineering from the POLITEHNICA University of Bucharest had the honor to organize the 2009-2010 ACM Southeastern European Regional Programming Contest. There were 47 programming teams registered, from Bulgaria, Macedonia, Serbia, Romania, Turkey and Ukraine.

In the Southeastern European Region 45 teams were accepted from 28 universities and 6 countries.

<table>
<thead>
<tr>
<th>Country</th>
<th>Teams</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bulgaria</td>
<td>5</td>
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<tr>
<td>Macedonia</td>
<td>5</td>
</tr>
<tr>
<td>Romania</td>
<td>19</td>
</tr>
<tr>
<td>Ukraine</td>
<td>9</td>
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<tr>
<td>Serbia</td>
<td>4</td>
</tr>
<tr>
<td>Turkey</td>
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</tr>
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</table>

**Total Teams** 45

Unfortunately one team (University of Nis) could not participate to the contest.

The judge team has proposed 11 problems to be solved in the contest during the 5 hours.
The first place was awarded to:

Taras Shevchenko Kiev National University

Team name: **Pointless**

- Vitalii Bondarenko, Coach
- Andrii Grynenko, Contestant
- Daniil Neiter, Contestant
- Vladyslav Simonenko, Contestant

with 9 problems solved and a penalty of 1015 points.

The second place was awarded to:

Taras Shevchenko Kiev National University

Team name: **DDragons**

- Vitalii Bondarenko, Coach
- Oleksandr Bacherikov, Contestant
- Anton Raichuk, Contestant
- Roman Rizvanov, Contestant

with 7 problems solved and a penalty of 1085 points.

The third place was awarded to:

National technical university "Kharkiv Polytechnic Institute"

Team name: **IF**

- Leonid Lyubchik, Coach
- Stanislav Cherviakov, Contestant
- Dmytro Dzhulgakov, Contestant

with 7 problems solved and a penalty of 1196 points.
The programming languages of the Regional Contest are Java and C/C++, while the available IDEs will be Visual C++ Express, Java Creator LE and Eclipse.

Some statistics:

<table>
<thead>
<tr>
<th>No. of Teams</th>
<th>No. of Problems Solved</th>
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<tbody>
<tr>
<td>1</td>
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</tr>
<tr>
<td>3</td>
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</table>

The set of problems was considered to be difficult enough according to the contest’s level.

The computers the contest was run on were IBM-PCs Pentium 4, interconnected through a network and running Linux and Windows XP.
The site of the contest was the “Rectorat” building of the POLITEHNICA University.

The evaluation of the results and the scoring were based on the Personal Computer Programming Contest program (PC²), developed at the Computer Science Department, Sacramento, California State University. The use of PC² allowed a smooth run of the contest and facilitated the activity of judges and runners.

The 44 teams totalled a number of 184 students (including coaches, reserves and guests). There were more than 20 staff members and more than 64 volunteers who contributed to the organization and run of the contest.

The first three teams received prizes sent by IBM Canada and IBM Romania.

Also the judges and contest management team received presents from IBM.

**Contest Schedule**

**Thursday October 15th** - Arrival and Hotel Check-in

12:00 - 20:00 Teams arrive and Hotel Check-in

**Friday October 16th** - Contestants Meeting

08:00 - 12:00 Teams arrival and Registration

14:00 - 14:30 Opening Ceremony, AN 010 - Building “Rectorat”

- Nicolae Țăpuș, Contest Director
- Ecaterina Andronescu Rector of POLITEHNICA University of Bucharest
- Theodor Borangiu University relations, IBM Romania
- Lorina Negreanu, Chief
- Cristian Giumale,

14:30 - 15:00 Break

15:00 - 16:00 Briefing with faculty advisors, students and volunteers

- Reviewing of the rules
- Introduction to the practice session
16:00 - 19:00  Practice Session

Saturday October 18th – The Big Day! Contest

09:00 - 09:30  Check-in at contest site

09:15 - 09:30  Briefing with faculty advisors

10:00 - 15:00  CONTEST

19:00  Award Ceremony, Banquet

Sunday October 19th  Sightseeing day

08:00  Sightseeing Tour

The contest budget was raised using funds from IBM and local contributors.

Ministry of National Education through POLITEHNICA University of Bucharest helped us with the accommodation for Romanian Students.

The companies: S&T Romania, REL Computer, CISCO Romania, Microsoft Romania, UTI Systems, JVM Tehnologic, Freescale Semiconductor, PTC Romania, Cronus and Coca Cola contributed with financial support.

Participation in the contest was free of charge.

Also, the buffets, the banquet, and the tour of Bucharest City and Castle Peles, Sinaia City were free of charge for the teams.

Upon registration, each participant received a contest folder containing: a contest badge, a set of the contest rules, a contestant's guide for PC^2, a timetable and a T-Shirt. During the Award Ceremony, Certificates of Participation or Recognition was given to all participants and volunteers. Everybody was very excited upon receiving the certificates, especially the volunteers, thus proving that the ACM idea of offering certificates was highly appreciated.

Before the Opening Ceremony, IBM Romania organized a press conference attended by more than 25 journalists from the Romanian mass-media. Many press releases were issued, both before and after the contest. Several newspapers published announcements or presentations of the event. National Romanian Broadcast companies transmitted information about the contest in their main news program.
The members of the **Steering Committee** were:

- Nicolae Țăpuș, *Contest Director*
- Ecaterina Andronescu, *Rector of POLITEHNICA University of Bucharest*
- Theodor Boragiu, *University Relations IBM Romania*
- Mihai Tudor, *Country General Manager, IBM Romania*
- Lorina Negreanu, *Chief Judge*

The members of the **judging team** were:

<table>
<thead>
<tr>
<th>Lorina Negreanu</th>
<th>Politehnica University of Bucharest</th>
<th>Chief Judge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cristian Giuamale</td>
<td>Politehnica University of Bucharest</td>
<td>Judge</td>
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<tr>
<td>Krassimir Manev</td>
<td>Sofia University</td>
<td>Judge</td>
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<tr>
<td>Mykhaylo Medvedyev</td>
<td>Taras Shevchenko Kiev National University</td>
<td>Judge</td>
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<tr>
<td>Volodymyr Mesyura</td>
<td>Vinnytsia National Technical University</td>
<td>Judge</td>
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<tr>
<td>Mile Jovanov</td>
<td>Institute of Informatics PMF Skopje - Macedonia</td>
<td>Judge</td>
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<td>Vasyl Biletsky</td>
<td>Lviv National University</td>
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<tr>
<td>Pinar Senkul</td>
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<tr>
<td>Mugurel Ionut Andreica</td>
<td>Politehnica University of Bucharest</td>
<td>Judge</td>
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We would also like to express our thanks to ACM and to IBM Corporation, to the to the Romanian Chapter of ACM, to POLITEHNICA University, and to the local contributors: S&T Software, REL Computer, CISCO Romania, Microsoft Romania, UTI Systems, JVM Tehnologic, PTC, Cronus and Coca Cola for their generous support for the ACM Southeastern European Regional Programming Contest.

**Our thanks also go to Mr. Mihai Tudor and Ms. Sofia Zainea, Mr. Theodor Borangiu from IBM Romania** for their continuous support to the developing of the contest in excellent conditions.

We want to thank to the network management team lead by Razvan Rughinis and Bogdan Sass and contest Software support lead by Razvan Deaconescu from the Computer Science and Engineering Department of Politehnica University.

Special thanks to **Alexandru Olteanu, Andreea Marin and Daniela Costache**, chief organizers.

Last, but not least, we would like to thank all the volunteers who helped run and organize the contest.
Without the help of all these people and organizations, it would have been impossible to make this event happen.

I want address special thanks to Marsha Poucher for continuous help and to Debbie Kilbride and John Clevenger.

As proposal, the next edition of the ACM Southeastern Europe Regional Programming Contest will be held at the Computer Science and Engineering Dept., “POLITEHNICA” University of Bucharest, ROMANIA.

The decision of site for Southeastern Europe Region for next edition will be taken by Contest Headquarter in April 2010.

Prof. Nicolae Tapus
Regional Contest Director

Rank of the ACM Southeastern Europe Region 2009

<table>
<thead>
<tr>
<th>Rank</th>
<th>University</th>
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