

TCPC 2018

TUNISIAN COLLEGIATE PROGRAMMING CONTEST

23,24TH JUNE 2018

AT ENISO



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Presentation

- The ACM ICPC is considered as the "Olympics of Programming Competitions". It is quite simply, the **oldest**, **largest**, and **most prestigious** programming contest **in the world**.
- The contest **46000** participants come from over **2948** universities that are spread across **80** countries and **6 continents**.

ICPC

ACM-ICPC :
Association for
Computing
Machinery
International
Collegiate
Programming
Contest



ICPC

- The **ACM-ICPC** is a multi-tier, team-based, programming competition. Headquartered at Baylor University, Texas, it operates according to the rules and regulations formulated by the ACM.
- The winners get some super bragging rights and job offers from some of the top software companies in the world besides valuable cash prizes!

TCPC, ACPC, ICPC

- **ICPC Nationals (Tunisian CPC):** The Nationals are organized by the local universities of different regions of one country after governorates selection.
- **ICPC Regionals (Arabic CPC):** The regionals are organized by the Nationals winning universities of different regions spread across the globe.
- **World Finals (International CPC):** The pick of the crop from every regional site locks horn at the World Finals.

ENISo hosts TCPC 2018

- The National Engineering school of Sousse (**ENISo**) was created in July 2005 to meet a national need for engineers in innovative and distinguished specialties: Embedded Telco Engineering, Applied Computer Engineering, Mechatronics, Productics & Industrial electronics.
- Planned on the site of the **Novation City**, **ENISo** benefits from an infrastructure that brings together at the same time, on the same place, training, industry and research which guarantees a great influence of the school both on a national and international scope.

TCPC 2018

- **360** Contestants (university level students)
 - Top skilled students, all over Tunisia
 - Selected from regionals (Sousse CPC, Manouba CPC...)
- **120** Teams from Tunisian Universities
- **60** coaches (university faculty, staff member)
- **60** organizer students

Competition

Battle of the Brains

- Each team (3 contestants) has to solve as fast as possible the maximum number of problems from a problem set (around **13 problems**) withing **5 hours**
- Problem Types : Maths, Geom, Graphs, Algo : Greedy algorithms, Divide-and-conquer, Backtracking, Branch-and-bound, Dynamic programming, Heuristics, Discrete approximation algorithms, Clustering algorithms,...
- Languages : Java, C++, C Tools : Eclipse, Netbeans, DevC++

Budget



20 000 TND

- Accomodation 5* Hotel, Air Tickets, for 7 International Jury
- Duration : 6 Nights



10 000 TND

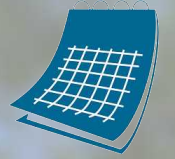
- 120 PC, Table, Chair, Net Cables
- 2 servers
- 6 Switchs 24 ports
- Broadband Internet Access



3 000 TND

- 1020 **Helium** Baloons
- 13 distinct colors
- Fishing strings
- 2400 Iron weights

- 360 x ...
 - pens, nodepads
- 360 x 2 days x ...
 - water, sandwitchs, juice, chocolate bars (5 Hours contest)



10 000 TND



5 000 TND

- Marketing
- Printings
- Communication supports
- Decorations



- 2 x Receptions for 450 persons
- 3 prizes for the winning team

10 000 TND

Guests & Communication

- Invited His Highness Minister of Higher Education and Scientific Research
- Invited His Highness Minister of Communication Technologies and Digital Economy
- International Guests (Arab Academy for Science, Technology & Maritime Transport, ACPC Executive Committee)
- National and Local Radios
- National TV, Technological TVs
- Online Media

Agenda

- **Saturday 23** June 2018

- 09h00-11h00 : Registration
- 11h00-12h00 : **Opening Ceremony**
- 12h00-13h00 : Lunch Break
- 13h00-15h00: Break for World Cup (Tunisia-Belgium)
- 15h00-17h00: Training Session

- **Sunday 24** June 2018

- 07h30-09h30 : Teams Photo Session
- 10h00-15h00 : **Official Session TCPC2018**
- 15h00-16h00 : Deliberation
- 16h00-17h30: **Closing Ceremony and Awards**

Organization Cometeetee

- Taha Ben Salah
- Imed Bennour
- Saoussen Ben Jabra
- Oussama Ben Khiroun
- Maroua Mehri
- Sameh Gassab
- Amina Chouigui
- Mayssa Ghribi
- Olfa Dallel
- Khaoula Braiki

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