

INTERNATIONAL OLIMPIAD IN INFORMATICS IN TEAMS

FINAL INTERNATIONAL CONTEST

PIATRA-NEAMȚ, ROMÂNIA, MAY 23 – 28, 2018

Welcome to IOIT 2018

Dear Guests,



In this millennium, when technologies are more and more involved in all the fields, organising the International Olympiad in Informatics in Teams (IOIT) represents normality as well as an act of honour.

The innovation brought by this competition is given exactly by the idea of collaboration inside a team in order to find solutions, a concept that is of primary importance both for any company and for humanity, in general, because just like H. Ford stated: “Coming together is a beginning; keeping together is progress; working together is success”.

Being now at its second edition with Romania as a regular participant, this competition, which was initiated by Italy in 2010 by Istituto Aldini Valeriani Sirani, Bologna, is now enlisted in the Calendar of National Contests of the Ministry of National Education in Romania and has favourable omens. What is more, the Olympiad is a perfect opportunity for the energy that has accumulated to find configurations in new solutions and, why not, in questions whose answers are awaiting.

Binary language is a universal one, which overcomes possible communication barriers. That is why I would like to remind the contestants Ralph Waldo Emerson's words: “Do not go where the path may lead, go instead where there is no path and leave a trail”. Even your presence here at this competition is a source of inspiration.

The hope that together we will manage to engrave the present, so as to shape the future will get to you, all the competitors. By being part in the competition in Piatra-Neamț, you will certainly manage to make one step forward on your own path.

**Nușa Dumitriu-Lupan
General Inspector M.E.N.**

Being in a context in which nature has literally changed, charming us with the diverse flavours and flowers, Piatra Neamț is the part of heaven which will host an international competition in the most wanted field of the twentieth century, that is computer science and the INTERNATIONAL OLYMPIAD IN INFORMATICS IN TEAMS. We are talking about an important competition with teams from Italy- in fact the initiator of the competition was Istituto Aldini Valeriani Sirani, in 2010- from the Russian Federation, The Republic of Moldova, Bulgaria and Romania.

This year, Romania has the honour of hosting the event which takes place between the 23rd and 28th of May 2018. Just as collaboration was at the basis of the millenium, it will also play a major role in the contest in which accomplishment and success depend on the emulation of ideas that lead to solutions.

Because binary language is a universal one, I am convinced that all the competitors will enjoy an experience in which their connection of minds will be doubled by one of wit and why not by a connection of souls. That is why, I wish all the participants, starting with contestants and ending with volunteers- to enjoy everything that the competition has to offer, from challenging problems and longlasting friendships up to knowing enchanting places which reveal our identity.

I want, as well, to thank all the teachers involved in organising this Olympiad and other similar ones for their professionalism and wish them patience and creative ideas, so that this event should become a memorable one, because „Nothing is impossible for the one who tries.”



**Elena LAIU
General School Inspector ISJ NEAMȚ**

INTERNATIONAL OLIMPIAD IN INFORMATICS IN TEAMS

The International Olympiad in Informatics Teams (IOIT) is an annual competition which has been initiated in Italy, in 2010, by Istituto Aldini Valeriani Sirani, because of the desire to stimulate the interest of teenagers towards informatics, being dedicated to pupils who have not obtained awards at the National Olympiads in Informatics, offering them the possibility to deepen their knowledge and to practice for informatics free which allows higher quality of performance.

Why the Informatics Olympiad in Team were born?

1. The primary objective is to stimulate the interest of young people in Computer Science and Information Technologies alongside to Personal Computer Olympiad.
2. More and more often, the work world operates in contexts in which working groups (or teamwork) are made up to carry out specific projects or activities. The ability to work in groups, therefore, becomes a prerequisite for all those who move in the current labor market. Today's organizations, as a matter of fact, aim a lot for group work as a strategy to achieve better results under collective talents of the team, the ability of members to support each other to overcome the difficult times, the ability to multiply the options thanks to the creativity that comes from the comparison of different ideas. The teamwork skill becomes a requirement by companies that select personnel, but not only; assuming that in all workplaces, or nearly so, you need to interface with other people to carry on your own activities, it is clear that establish this capability could lead to a better life working environment and improve the level of performance.

Why in Team?

- It is a requirement for the labour market
- Mutual support in case of difficulty
- Creativity that comes from the comparison of different ideas

How does it work?

- Zero costs for schools
- The same language for all (English)
- Each team is composed by 4 students and 2 reserves, students are not interchangeable between teams
- The contestants are students enrolled in a school for secondary education/high school, in the country they are representing, during at least September- December in the year before IOIT and who are not older than 20 on July 1st of the year of IOIT. A team can include no more than one awarded contestant of the National Individual Olympiad in Informatics in the previous year.
- 4 on line national competitions: all nations can have the same problems in the same dates (honesty will be guarantee by the Nation Leader School), but each Nation must have its own online platform
- 1 final national competition in presence
- 1 final international competition in presence: 1-2 best teams per each Nation

Weather Forecast, Thursday, May 24



Dictionary

English
Good morning!
Hello!
Good bye!
What time is it?
What is your name?
How much is this?

Romanian
Bună dimineața!
Salut!
La revedere!
Cât este ora/ceasul?
Cum te numești?
Cât costă?

THE TEAMS



Guest:
 Anna Brancaccio
 Antonella Caligiuri
 Massimo Cairo
 Giorgio Audrito



Coordinators of publications: Brîndușa Anghel, National College of Informatics, Piatra-Neamț; Carmen Zaharescu, National College of Informatics, Piatra-Neamț; Silvia Morțe, National College of Informatics, Piatra-Neamț; Brîndușa Stan, National College of Informatics, Piatra-Neamț; Claudia Dragan, National College of Informatics, Piatra-Neamț;
Reporters: Chiriac Ecaterina, Ciută Andrei, Mihăilescu Andreea, Adumitroaie Radu, Grigorcea Iustin, Teodosiu Tiberiu, Simina Ifrim



MINISTERUL
EDUCAȚIEI
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JUDEȚEAN NEAMȚ



International
Olympiad in
Informatics in
Teams



INTERNATIONAL OLYMPIAD IN INFORMATICS IN TEAMS 2018

FINAL INTERNATIONAL CONTEST

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COLEGIUL NAȚIONAL DE INFORMATICĂ
Piatra-Neamț, Neamț, România, Str. Mihail Viteazul, Nr. 12, 610226
Tel/Fax: 00 40 233 227 510; 227 529; 223 252
http://cni.nt.edu.ro e-mail: cni_pn@yahoo.com

ORGANIZERS

Ministry of National Education
Neamț County School Inspectorate
Neamț County Council
Piatra-Neamț City Hall
National College of Informatics,
Piatra-Neamț

COLABORATORS

Școala Gimnazială Vaduri, Comuna
Alexandru cel Bun
Școala Gimnazială Nr. 2, Municipiul
Piatra-Neamț
Liceul cu Program Sportiv, Piatra-
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PIATRA-NEAMȚ, ROMANIA
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