



MINISTRY OF RESEARCH
AND INNOVATION



Second Announcement

SCIENTIFIC SESSION of YOUNG OLYMPIANS 5th edition

June 18, 2018



SCIENTIFIC COMMITTEE

- Prof. Mustafa OZ, *Director of International Theoretical High School of Informatics Bucharest*
- Prof. Dr. Phys. Wilhelm KAPPEL, *Scientific Director of INCDIE ICPE-CA*
- Prof. Hussein ERWIN, *Deputy Director of International Theoretical High School of Informatics Bucharest*
- Dr. Eng. Gabriela HRISTEA, *Head of Laboratory of Physical-Chemical and Electrochemical Systems and Devices with Applications in the Field of Energy, INCDIE ICPE-CA*
- Dr. Eng. Mircea IGNAT, *Coordinator of "Alexandru Proca" Centre for the Youngsters Initiation in Scientific Research, INCDIE ICPE-CA*



ORGANIZING COMMITTEE

- Andrei IONESCU – *National College "Mihai Viteazul" Ploiesti*
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PROGRAMME

Monday, June 18, 2018	
08 ³⁰ - 09 ⁰⁰	Participants Registration
09 ⁰⁰ - 09 ²⁰	Opening speech Prof. Mustafa Oz, <i>Director of International Theoretical High School of Informatics Bucharest</i> Dr. Eng. Sergiu Nicolaie, <i>General Director of INCDIE ICPE CA Bucharest</i> Dr. Eng. Mircea Ignat, <i>Coordinator of "Alexandru Proca" Centre for the Youngsters Initiation in Scientific Research, INCDIE ICPE-CA Bucharest</i>
	Plenary Session I
09 ²⁰ - 11 ⁰⁰	+ <i>Simulations of processes characteristic of electric networks, such as commutation, using electrical circuits and similitude theory</i> , Pricope Andrei - National College of Informatics „Tudor Vianu”, Bucharest
	+ <i>Theoretical and experimental aspects regarding the study of motility with the help of cilia, with applications in the field of microrobotics</i> , Constantin Alexandru - National College of Informatics „Tudor Vianu”, Bucharest
	+ <i>Environmental magnetism on the Black Sea Coast</i> , Săvucă Cristiana, Ghișoiu Oana, Mihai Rada Alina (coordinator: Prof. Șerbu Florin), Liceul Teoretic "Carmen Sylva" Eforie Sud
	+ <i>The formulation of the nanofluidics and imprinted electric fields problems regarding the energy generation using electro-kinetic phenomena and nanoporous membranes</i> , Abrudan Alexandru Cornel - National College of Informatics „Tudor Vianu”, Bucharest
	+ <i>Unconventional microaccelerometers for attitude control systems</i> , Ursu Ștefan - „Nicolae Titulescu” College, Brașov
11 ⁰⁰ - 11 ³⁰	Coffee break
11 ³⁰ - 12 ³⁰	Round table „What are the necessary conditions for Romanian scientific research and education to make the Olympians continue their career in the country?”

12 ³⁰ - 14 ⁰⁰	Plenary Session II
	+ <i>Computational elements of the lipid structure</i> , Ionescu Andrei - Colegiul Național „Mihai Viteazul” Ploiești, Ulian Serghei – International Theoretical High School of Informatics, București
	+ <i>Short history of dialysis</i> , Glăvan Luca Andrei, Voicu David Nicolae - Colegiul Național „Spiru Haret” București
	+ <i>Formulation of a research topic on the study of the insect foot with applications in microrobotics and MEMS</i> , Panait Ana Maria, Andrei Tiberiu - National College of Informatics „Tudor Vianu”, Bucharest
	+ <i>Electrotherapy aspects</i> , Denșorean Bianca, Yuan Jiarong, Peța David - International Theoretical High School of Informatics, București
14 ⁰⁰ - 15 ¹⁵	+ <i>A deep neural network for mapping pixel coordinated to color values</i> , Bricman Paul - Colegiul Național Bilingv „George Coșbuc” București
	+ <i>Robots with obstacle monitoring features</i> , Constantin Alexandru - National College of Informatics „Tudor Vianu”, Bucharest
14 ⁰⁰ - 15 ¹⁵	Visit to laboratories and departments of INCDIE ICPE-CA Bucharest
15 ¹⁵ - 15 ⁵⁰	Mini-exhibition
	Poster session
15 ⁵⁰ - 16 ⁰⁰	Conclusions
16 ⁰⁰	Closing the seminar
	Closing speech Mircea Ignat, <i>Coordinator of "Alexandru Proca" Centre for the Youngsters Initiation in Scientific Research, INCDIE ICPE-CA Bucharest</i>

INVITATION

We have the honor to invite you to attend **The Scientific Session of Young Olympians, the 5th edition**, organized by INCDIE ICPE-CA Bucharest together with the International Theoretical High School of Informatics Bucharest, with the support of the Ministry of Research and Innovation.

OBJECTIVE OF THE SCIENTIFIC SESSION

The main objective of this event is to identify the excellence in scientific research for high schools and students, as well as to create a team of meritorious students initiated in the scientific research.

TOPICS

The papers will address topics from any field of applied research.

In their presentation, authors should demonstrate originality and creativity.

Contact



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