



"Alexandru Proca" Centre
for the Youngsters Initiation
in Scientific Research
(CICST)



National Institute
for Research & Development in
Electrical Engineering ICPE-CA
Bucharest

Scientific Session of "Alexandru Proca" Centre

Eighth edition

May 28th, 2021

J building, 3rd floor, Conference Hall of the National Institute for R&D in Electrical Engineering ICPE-CA
313 Splaiul Unirii, District 3, Bucharest

- PROGRAMME -

Friday, May 28 th 2021	
09 ⁰⁰ - 09 ³⁰	Participants registration
09 ³⁰ - 09 ⁴⁰	Opening speech Dr. Eng. Sergiu Nicolaie, <i>General Director of INCDIE ICPE CA Bucharest</i> Prof. Dr. Wilhelm Kappel, <i>Counselor 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	
Moderator: Dr. Eng. Mircea Ignat, Coordinator of "Alexandru Proca" Centre for the Youngsters Initiation in Scientific Research, INCDIE ICPE-CA Bucharest	
10 ⁰⁰ - 10 ¹⁵	Theoretical and experimental research on the applications of electroosmosis and electrokinetic effects with applications in medicine (<i>Cercetări teoretice și experimentale privind aplicațiile electroosmozei și ale efectelor electrocinetice cu aplicații în medicină</i>) , Natalia Ionescu - "Mihai Viteazul" National College, Bucharest
10 ¹⁵ - 10 ³⁰	Development of a research topic on nanoelectromechanical modeling of viruses (<i>Formularea unei teme de cercetare privind modelarea nanoelectromecanică a virusurilor</i>) , Alexandru Ivanov, Raisa Axenie - „Tudor Vianu” National College of Informatics, Bucharest; Alexandru Dianu - International Theoretical High School of Informatics, Bucharest
10 ³⁰ - 10 ⁴⁵	Theoretical and experimental scientific research in the bionic field on biological microactuators with applications in MEMS and medicine (<i>Cercetare științifică teoretică și experimentală în domeniul bionic privind microacțiunile biologice cu aplicații în MEMS și medicină</i>) , Bucur Robin Portase, Medeea Șovei - "Mihai Viteazul" National College, Bucharest
10 ⁴⁵ - 11 ⁰⁰	Experimental protocol on a research topic; plant sensitivity (<i>Protocolul experimental privind o temă de cercetare; sensibilitatea plantelor</i>) , Alexandra Bratu – "Miquel de Cervantes" Bilingual Theoretical High School, Bucharest
11 ⁰⁰ - 11 ¹⁵	Research on demyelination based on electrical circuits modeling and mathematical model (<i>Cercetare privind demielinizarea bazată pe modelarea prin circuite electrice și model matematic</i>) , Despina Gica - "Mihai Viteazul" National College, Bucharest
11 ¹⁵ - 11 ³⁰	Development of a research topic on applications of electromagnetic microforces and microfluids in MEMS and medicine (<i>Formularea unei teme de cercetare privind aplicații ale microforțelor electromagnetice și microfluidelor în MEMS și medicină</i>) , Cristina Murgoci - International Theoretical High School of Informatics, Bucharest
11 ³⁰ - 11 ⁵⁰	Conclusions
11 ⁵⁰	Closing the scientific session