



**COMPUTER SCIENCE AND EDUCATION
IN COMPUTER SCIENCE
(CSECS)**

17th ANNUAL INTERNATIONAL CONFERENCE

With financial support of the Central Strategic Development Found of
New Bulgarian University
and
Metropolitan College, Boston University

September 18th, 2021
Due to the Covid-19 – Online Format Only
Metropolitan College, Boston University

Chairman: Eugene Pinsky (USA)

Organizing Committee:
Ivan Landjev (Bulgaria)
Lou Chitkushev (USA)
Peter Peinl (Germany)

General Secretaries:
Petya Asenova (Bulgaria)
Rossitza Goleva (Bulgaria)



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Conference Schedule

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Note: All times are U.S. Eastern Standard Time

Programme

9:00 - 9:30 am	Welcoming Remarks, Tanya Zlateva, Dean of Metropolitan College, Boston University Dimitar Atanasov, Head of Department of Informatics, New Bulgarian University Petya Asenova, Honorary Organizing Committee members, New Bulgarian University
	Session 1 - 9:30-9:50 am
9:30 am	1. Slav Angelov, Metodi Traykov, An extensive comparative analysis of sorting algorithms with quadratic complexity on small integer arrays
9:45 am	2. Lasko Laskov, Implementing a 3D model for simulations in mechanics
10:00 am	Discussion
10:10 am	10:10 - 10:25 am Break
	Session 2 - 10:25-11:20 am
10:25 am	3. Ammar Almasri, Jameel Alsarayrah, Daa Salman, Predicting Student's Performance in Educational Institutes Using Tree Family Classifiers
10:40 am	4. Latchezar Tomov, Slav Angelov, Assen Tchorbadjieff, Age-specific mortality risk from Covid-19 in Bulgaria
10:55 am	5. Latchezar Tomov, Modeling seasonality of net electrical consumption in Bulgaria
11:10 am	Discussion
11:20 am	11:20 - 11:35 am Break

Session 3 - 11:35 am -13:00 pm	
11:35 am	6. Yassen Gorbounov, Hardware Design Automation with Python and Verilog HDL
11:55 am	7. Eric Braude, Conway's Circle Theorem: a Short Proof, Enabling Generalization to Polygons
12:25 pm	8. Rossitza Goleva, Vassil Kadrev, Alexandar Savov, Zhivka Koleva, Plamen Draganov, Svetoslav Mihaylov, Scenarios to Use Sensors in Agriculture, Home, Office, Well-Being
12:40 pm	9. Ana Todorovska, Eva Spirovska, Hristijan Peshov, Ivan Rusevski, Irena Vodenska, Lubomir T.Chitkushev, Dimitar Trajanov, Effects of media on cryptocurrencies prices
12:55 pm	Closing Remarks (Eugene Pinsky)

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Metodi Traikov