



**Center for Research and Training in Innovative Techniques of Applied Mathematics in Engineering “Traian Lalescu”
(CiTi)**

organizes

THE 3rd EDITION OF THE WORKSHOP ON INNOVATIVE TECHNIQUES, DIVERSITY & CONNECTIVITY

PROGRAM

The 19th of November 2020, ONLINE 18⁰⁰-21⁰⁰

Access Link:

<https://teams.microsoft.com/l/channel/19%3ad44857024b9545709be7e3ffe1e25e72%40thread.tacv2/The%25203rd%2520Workshop%2520WITDC?groupId=2403325c-9f6b-4080-999b-7b3102d05517&tenantId=2d8cc8ba-8dda-4334-9e5c-fac2092e9bac>

Workshop Chairs: Emil Simion and Antonela Toma

Session: Applied Mathematics in Information Technology

Session chairs: Corina Cipu, Carmina Georgescu

	Topic	Speakers	Time
1	Mathematical Approaches in Health Security	Antonela Toma ¹ , Mihai Rebenciuc ¹ , Emil Simion ¹ , Simona Mihaela Bibic ¹ , Mihaela Pricop-Jeckstadt ¹ and Elena Corina Cipu ¹	18:00-18:10
2	Internet: the place where cyber criminals are born	Razvan Ilisanu ² , Florin Stanciu ² and George Panaghia ²	18:10-18:20

	Topic	Speakers	Time
3	Security analysis of open source content management systems - Wordpress	Constantin Alin-Gabriel ² , Palada Loredana-Ioana ² and Popa Georgiana-Nicoleta ²	18:20-18:30
4	The impact of COVID-19 on cybercrime	Raluca-Iulia Burca ² and Marius-Stefan Munteanu ²	18:30-18:40
5	Applications of the Quantum Fourier Transform in Data Security	Vasile Laurentiu Dosan ² , Elena Corina Cipu ¹ and Emil Simion ¹	18:40-18:50
6	Methods of Investigating Cyber Crime: Payment Card Fraud	Alexandru Paula-Carmen ² and Pruna Elena ²	18:50-19:00
7	Risk management in e-government projects	Cristina Barbu ² , Viviana Zarafin Vlad ² and Vlad Liviu Marian ²	19:00-19:10
8	Approaches of Securing IoT using Blockchain	Robert Alfred Kec ³	19:10-19:20
	BREAK (20 min)		19:20-19:40

Session: Interdisciplinary mathematics in CiTi domains

Sessions chairs: Simona Bibic, Mihai Rebenciuc

	Topic	Speakers	Time
1	Applications of advanced mathematics in quantum physics	Octavian Postavaru ¹	19:40-19:50
2	Generalised Fractional-order Householder's method	Ştefan-Răzvan Anton ¹ , Octavian Postavaru ¹ and Antonela Toma ¹	19:50-20:00
3	Hybrid Systems for Alternative Energy Production	Valeria-Alina Andronescu ² , Elena Corina Cipu ¹ and Simona Mihaela Bibic ¹	20:00-20:10

4	Access to the Dark Web through the TOR network	Cristi Valentin Jianu ² , Elena Gabriela Lazarescu ² and Cristina Carmen Mitru ²	20:10-20:20
5	New Fractional Differential and LoG Operator Based Algorithms for Image Edge Detection	Carmina Georgescu ¹	20:20-20:30
6	Building Management System	Ionuț Lixandru ⁴	20:30-20:40
	Q&A Session		20:40-21:00

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Marios	Choudary	University POLITEHNICA of Bucharest
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Workshop partener:

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