



4th Conference of the UTCB Doctoral School

26th of November 2021

Online on MS TEAMS – team code: vnxf3z

<https://teams.microsoft.com/l/meetup-join/19%3a8c2fdf89016e4c40b83f393d2fe743e4%40thread.tacv2/1605886985910?context=%7b%22id%22%3a%22d2cf5b37-3934-4c3a-8702-576fe8545eaa%22%2c%22oid%22%3a%22a9152335-46e9-41b7-9e2e-f987939c0016%22%7d>

4th Conference of the UTCB Doctoral School – 2021

Program

	08 ³⁰ – 09 ⁰⁰	Registration on MS Teams
Opening and Keynote Lectures 09 ⁰⁰ – 09 ²⁰		Chair: Prof. univ. dr. Loretta BATALI, Director of the Council of Doctoral Studies Invited guests: Prof. Radu Văcăreanu – the Rector of UTCB, Prof. Florin Băltărețu – the Vice Rector for Scientific Research of UTCB
09 ²⁰ – 10 ⁰⁰		Keynote lecture: <i>Thomasz Cholewa - Associate Professor, Lublin University of Technology, Faculty of Environmental Engineering Rationalization of energy consumption in existing buildings: main methodology issues</i>
10 ⁰⁰ – 10 ⁴⁰		Keynote lecture: <i>Frédéric Thevenet - Professor, Indoor Air Quality, IMT Nord Europe (Ecole des Mines de Douai) How to select the right indoor air treatment device you may need at home ? A map of the problematic</i>
	11 ⁴⁰ – 11 ⁵⁵	Virtual coffee break – with your own coffee ☺
Session 1		
1	11 ⁵⁵ – 12 ⁰⁵	Vladimir Kubinyecz and Catalin Teodosiu, <i>Numerical study on smoke evacuation from a curved subway tunnel</i>
2	12 ⁰⁵ – 12 ¹⁵	Mihnea Paunescu, Oana Luca and Andrei Stanescu, <i>The necessity of resilience: Bucharest vulnerability in seismic context</i>
3	12 ¹⁵ – 12 ²⁵	Mihai Maleanu and Carmen Racanel, <i>Critical parameters for calibration and validation of traffic studies</i>
4	12 ²⁵ – 12 ³⁵	Enescu Virgil, <i>Functional and Technological Correlations for High Performance Asphalt Batching Plants</i>
5	12 ³⁵ – 12 ⁴⁵	Talpiga Mugurel Florin, Draghici Alexandru and Iordache Florin, <i>Heat storage tank functional simulation using neural network</i>
6	12 ⁴⁵ – 12 ⁵⁵	Dounia Chaatouf and Adrian-Gabriel Ghiaus, <i>A critical review of solar dryers with latent and sensible heat storage</i>
7	12 ⁵⁵ – 13 ⁰⁵	Sabrina Lecheheb and Adrian-Gabriel Ghiaus, <i>Efficiency improvement of parabolic trough solar collector by using nanofluids</i>
	13 ⁰⁵ – 13 ⁴⁰	Lunch break or just break ☺
Session 2		
8	13 ⁴⁰ – 13 ⁵⁰	Chair persons: Catalin Teodosiu and Ramona Marcu Naji Ali, Aziz Laith Jawad, Mustatea Sebastian and Chirica Anton, <i>Effect of cavities on the behavior of anchors in sandy soil</i>
9	13 ⁵⁰ – 14 ⁰⁰	Alexandru Matei, Elena Vulpasu and Gabriel Racoviteanu, <i>Use of ion exchange technologies for nitrates removal from water intended for human consumption</i>
10	14 ⁰⁰ – 14 ¹⁰	Alaa Rahman and Radu Drobot, <i>Spatial and Temporal Model Allocation for Water Resources in Iraq</i>

11	14 ¹⁰ – 14 ²⁰	Ion-Costinel Mares and Tiberiu Catalina, <i>The applicability of decentralized ventilation equipment in radon mitigation from existing homes</i>
12	14 ²⁰ – 14 ³⁰	Gheorghe Radu, Gabriel Racoviteanu and Elena Vulpasu, <i>Biofilters efficiency in removing ammonium from water intended for human consumption</i>
13	14 ³⁰ – 14 ⁴⁰	Petrica Iamandi, Oana Luca, <i>Dispute Board in Construction Contracts - Wars behind closed doors. An international overview</i>
14	14 ⁴⁰ – 14 ⁵⁰	Weaam Arif and Iolanda Craifaleanu, <i>Assessment of the Seismic Vulnerability of a Multi storey RC Structure with Plan Irregularity: A Case Study</i>
15	14 ⁵⁰ – 15 ⁰⁰	Liviu-Costin Gruia and Ramiro Sofronie, <i>Comparative analysis of reinforcing concepts</i>
	15 ⁰⁰ – 15 ²⁰	Lunch break or just break 😊
Session 3		Chair persons: Oana Luca and Ionel-Costinel Mareş
17	15 ²⁰ – 15 ³⁰	Elena Ramona Marcu and Helmuth Köber, <i>Reduced cross-sections in concentrically braced frames</i>
18	15 ³⁰ – 15 ⁴⁰	Naji Ali, Aziz Laith Jawad, Mustatea Sebastian and Chirica Anton, <i>Influence of double cavities on anchors capacity</i>
19	15 ⁴⁰ – 15 ⁵⁰	Mihai Stancu, <i>Hydrodynamic and sediment transport modelling for channel bed stabilization</i>
20	15 ⁵⁰ – 16 ⁰⁰	Harrouz Abdelkader, Guellil Mohamed Islam, Djamel Belatrache and Virgil Dumbrava, <i>Study of Treated Water in the Sensitive Environment for the Adrar Refinery</i>
21	16 ⁰⁰ – 16 ¹⁰	Andrei-Serban Teodorescu and Cristian Pavel, <i>A state-of-the-art review regarding IoT technologies used for the monitoring of worker activities on construction sites</i>
		Conclusions and closing of the conference

Invited Speakers

This year we have the honor to have with us at the Doctoral School Conference, two reputed guests.



Frédéric THEVENET
Professor, Indoor Air Quality, IMT Nord Europe (Ecole
des Mines de Douai)



Tomasz CHOLEWA
Associate Professor, Lublin University of Technology,
Faculty of Environmental Engineering

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Școala Doctorală

CNFIS-FDI-2021-0144