



FACULTY OF CIVIL ENGINEERING

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International Conference for Students "FIRST STEPS IN CIVIL ENGINEERING RESEARCH" (FSCER 2025)

Monday, July 14th, 2025, Constanța

Hybrid format:

on-line on Webex <https://ovidius.webex.com/meet/constructii>
or at the Faculty of Civil Engineering (22b Unirii Street, Room CE10),

Programme

	10:00 - 10.30	Welcome and Registration Faculty of Civil Engineering (22b Unirii Street, Room CE10)
	10:25	Online connection of the participants
	10:30 - 11:00	Conference opening Vice-Rector, Cosmin FILIP , Ovidius University of Constanța, Romania Dean, Anca CONSTANTIN , Faculty of Civil Engineering, Ovidius University of Constanța, Romania Committee, Andrej SOLTESZ , Head of Department, Faculty of Civil Engineering, Slovak University of Technology, Slovakia Jacek DOMSKY , Dean, Faculty of Civil Engineering, Koszalin University of Technology, Poland Petar FILKOV , Dean, Faculty of Hydraulic Engineering, University of Architecture, Civil Engineering and Geodesy, Sofia, Bulgaria Zlatko ZAFIROVSKI , Faculty of Civil Engineering, Sc. Cyril and Methodius University in Skopje, North Macedonia Biljana IVANOVIĆ , Faculty of Civil Engineering, University of Montenegro, Podgorica, Montenegro Ján RUMANN , Department of Hydraulic Engineering, Slovak University of Technology, Slovakia Svetlana LAZAROVA , Faculty of Hydraulic Engineering, University of Architecture, Civil Engineering and Geodesy, Sofia, Bulgaria Miodrag BUJIŠIĆ , Faculty of Civil Engineering, Podgorica, University of Montenegro Ana-Maria GRĂMESCU , Institute of Doctoral Studies, Ovidius University of Constanta, Romania Conference coordinator, Constantin BUTA , Ovidius University of Constanța, Romania
	11:00-11:30	Keynote Speaker Title „Artificial Intelligence&Civil Engineering: A road to success” Phd Student: Eng. Adrian GHENCEA , Technical Manager ALLBIM NET Affiliation: Ovidius University of Constanta, Romania, Scientific Coordinator: Prof.PhD.Eng. Ana-Maria GRĂMESCU Affiliation: Ovidius University of Constanta, Institute of Doctoral Studies, Constanța, Romania
Phd Students Session Moderators: Anca CONSTANTIN, Ana-Maria GRĂMESCU		
1.	11:30 - 11:45	Title „Rapid Transit As A Solution To The Problem Of Urban Transport In Cities With Reference To The Potential Introduction Of BRT System In Podgorica” Phd Student: Teodora Popović Affiliation: University of Montenegro, Faculty of Civil Engineering, Podgorica, Montenegro

		Scientific Coordinator: Assoc.Prof. Zlatko Zafirovski Affiliation: Faculty of Civil Engineering, Ss. Cyril and Methodius, University of Skopje
2	11:45-12:00	Title „Turbo roundabout - an alternative to classic two - lane roundabout” Phd Student: Teodora Popović Affiliation: University of Montenegro, Faculty of Civil Engineering, Podgorica, Montenegro Scientific Coordinator: Biljana Ivanović, Affiliation: University of Montenegro, Faculty of Civil Engineering, Podgorica, Montenegro
3	12:00-12:15	Title „Hydraulic modeling of flood discharge through a weir” Phd Student: Ing. Roman Tóth Affiliation: Slovak University of Technology, Department of Hydraulics Engineering, Slovakia Scientific Coordinator: PhD Ing. Ján Rumann Affiliation: Slovak University of Technology, Department of Hydraulics Engineering, Slovakia
4	12:15-12:30	Title „Analysis of selected properties of cement composites based on polystyrene waste” MSc Eng. Elżbieta Kuźmińska, PhD Eng. Mateusz Zakrzewski Affiliation: Koszalin University of Technology, Poland Scientific Coordinator: Prof. DSc(Eng) Jacek Domski Affiliation: Koszalin University of Technology, Poland
5	12:30-12:45	Title „The Perlovska River under the lens. A student’s view of the urban river” Students: Yanko Yankov, Martin Bozhkov Affiliation: University of Architecture, Civil Engineering and Geodesy (UACEG), Faculty of Hydraulic Engineering, Department of Water Supply and Sewerage, Water Treatment Profile, Sofia, Bulgaria Scientific Coordinator: Chemist Svetlana Lazarova Affiliation: University of Architecture, Civil Engineering and Geodesy (UACEG), Faculty of Hydraulic Engineering, Department of Water Supply and Sewerage, Sofia, Bulgaria
6	12:45-13:00	Title „A survey on the seismic retrofit of a reinforced concrete building” Phd Student: Alexandru – Nicolae BIZU Affiliation: Ovidius University of Constanta, Faculty of Civil Engineering, Constanța, Romania Scientific Coordinator: Prof.PhD.Eng. Dorina-Nicolina ISOPESCU Affiliation: „Gheorghe Asachi” Technical University of Iasi, Faculty of Civil Engineering and Building Services
7	13:00-13:15	Title „Proposal for interventions in a single-family building subject to seismic actions” Phd Student: Andrei – Cristian PANCHICI Affiliation: Ovidius University of Constanta, Faculty of Civil Engineering, Constanța, Romania Scientific Coordinator: Prof.PhD.Eng. Ana-Maria GRĂMESCU Affiliation: Ovidius University of Constanta, Faculty of Civil Engineering, Constanța, Romania
8	13:15-13:30	Title „Structural optimization of an unbraced steel system designed for a parking structure” Phd Student: Eng. Andreea CONSTANTINESCU Affiliation: Politehnica University Timisoara, Romania Scientific Coordinator: Assoc.Prof.PhD.Eng. Florin ȚEPEȘ-ONEA Affiliation: Ovidius University of Constanta, Faculty of Civil Engineering, Constanța, Romania
9	13:30-13:45	Title „Contributions on the behavior of a reinforced concrete structure located in a marine environment” Phd Student: Eng. Andreea CONSTANTINESCU Affiliation: Politehnica University Timisoara, Romania Scientific Coordinator: Prof.PhD.Eng. Ana-Maria GRĂMESCU Affiliation: Ovidius University of Constanta, Faculty of Civil Engineering, Constanța, Romania
10	13:45-14:00	Title „Glazed Surfaces Between Technical Solutions, Artistic Craftsmanship, and Urban Fashions in Old Constanța” Phd Student: Eng. Nicoleta ÎNSURĂȚELU Affiliation: Ovidius University of Constanta, Constanța, Romania Scientific Coordinator: Prof.PhD.Eng. Ana-Maria GRĂMESCU Assoc.Prof.PhD. Costel COROBAN Affiliation: Ovidius University of Constanta, Constanța, Romania
Lunch break (14:00-15:00)		

MSc Students Session Moderators: Constantin BUTA, Mirela POPA		
10	15:00-15:15	Title „Energy audit for a ground + first floor building with non-accessible flat roof in Cluj-Napoca, aimed at thermal envelope renovation” MSc Student: Eng. Florian Alin DOGARU Affiliation: Ovidius University of Constanta, Faculty of Civil Engineering, Constanta, Romania Scientific Coordinator: Assoc.Prof.PhD.Eng. Anca CONSTANTIN Affiliation: Ovidius University of Constanta, Faculty of Civil Engineering, Constanta, Romania
11	15:15-15:30	Title: „Energy performance evaluation for a residential building with attic, located in Constanta” MSc Student: Andreea MIHALCEA Affiliation: Ovidius University of Constanta, Faculty of Civil Engineering, Constanta, Romania Scientific Coordinator: Assoc.Prof.PhD.Eng. Anca CONSTANTIN Affiliation: Ovidius University of Constanta, Faculty of Civil Engineering, Constanta, Romania
12	15:30-15:45	Title: „Optimizing energy consumption for a building with a terrace roof, located in Bucharest” MSc Student: Melek OSMAN Affiliation: Ovidius University of Constanta, Faculty of Civil Engineering, Constanta, Romania Scientific Coordinator: Assoc.Prof.PhD.Eng. Anca CONSTANTIN Affiliation: Ovidius University of Constanta, Faculty of Civil Engineering, Constanta, Romania
13	15:45-16:00	Title: „Energy audit elements for a pension located in Tulcea” MSc Student: Cristina ZANFIR Affiliation: Ovidius University of Constanta, Faculty of Civil Engineering, Constanta, Romania Scientific Coordinator: Assoc.Prof.PhD.Eng. Anca CONSTANTIN Affiliation: Ovidius University of Constanta, Faculty of Civil Engineering, Constanta, Romania
14	16:00-16:15	Title <i>Evaluation of the structural integrity of a load-bearing masonry church</i> MSc Student: Eng. Beatrice-Laura COCOR Affiliation: Ovidius University of Constanta, Constanta, Romania Scientific Coordinator: Prof.PhD.Eng. Ana-Maria GRĂMESCU Affiliation: Ovidius University of Constanta, Constanta, Romania
15	16:15-16:30	Title <i>Analysis methods to quantify the bearing capacity of the piles of a pre-existing enclosure</i> MSc Student: Eng. Daniela-Florentina BUCULEI Affiliation: Ovidius University of Constanta, Constanta, Romania Scientific Coordinator: Prof.PhD.Eng. Ana-Maria GRĂMESCU Affiliation: Ovidius University of Constanta, Constanta, Romania
16	16:30-16:45	Title „Long-term structural performance monitoring – from regulations to practical application. Case study: The impact of highway maintenance in reducing major repair costs/ capital expenditures” MSc Student: Eng. Oana- Alexandra MANOLE Affiliation: Ovidius University of Constanta, Faculty of Civil Engineering, Constanta, Romania Scientific Coordinator: Assoc.Prof.PhD.Eng. Diana-Doina ȚENEA Affiliation: Ovidius University of Constanta, Faculty of Civil Engineering, Constanta, Romania
17	16:45-17:00	Title „Management of a Project for Extending an Industrial Hall” MSc Student: Eng. Raluca-Elena VILĂU Affiliation: Ovidius University of Constanta, Faculty of Civil Engineering, Constanta, Romania Scientific Coordinator: Prof.PhD.Eng. Ichinur OMER Affiliation: Ovidius University of Constanta, Faculty of Civil Engineering, Constanta, Romania
18	17:00-17:15	Title „Life cycle assessment of quays made of metal sheet piles” MSc Student: Eng. Diana MĂNESCU Affiliation: Technical University of Cluj-Napoca, Faculty of Civil Engineering, Romania Scientific Coordinator: Assist.Prof.PhD.Eng. Mădălina STĂNESCU Affiliation: Ovidius University of Constanta, Faculty of Civil Engineering, Constanta, Romania
19	17:15-17:30	Title: „Seismic performance analysis of reinforced concrete structures” MSc Student: Alexandra STOIAN Affiliation: Ovidius University of Constanta, Faculty of Civil Engineering, Constanta, Romania Scientific Coordinator: Assist.Prof.PhD.Eng. Mirela POPA Affiliation: Ovidius University of Constanta, Faculty of Civil Engineering, Constanta, Romania

20	17:30-17:45	Title „<i>Study on the ecological certification of an educational building</i>” MSc Student: Eng. Ovidiu SONESCU Affiliation: Ovidius University of Constanta, Faculty of Civil Engineering, Constanța, Romania Scientific Coordinator: Assoc.Prof.PhD.Eng. Constantin BUTA Affiliation: Ovidius University of Constanta, Faculty of Civil Engineering, Constanța, Romania
21	17:45-18:00	<i>Technical and economic analysis regarding the implementation of an investment. Case study – construction of a self-service car wash</i> MSc Student: Eng. Alin-Ionuț STĂNĂGUI Affiliation: Ovidius University of Constanta, Faculty of Civil Engineering, Constanța, Romania Scientific Coordinator: Assoc.Prof.PhD.Eng. Constantin BUTA Affiliation: Ovidius University of Constanta, Faculty of Civil Engineering, Constanța, Romania
22	18:00-18:15	Title „<i>Environmental impact study of a multifunctional medical center</i>” MSc Student: Eng. Daiana BERCUCIU Affiliation: Ovidius University of Constanta, Faculty of Civil Engineering, Constanța, Romania Scientific Coordinator: Assist.Prof.PhD.Eng. Geanina MIHAI Affiliation: Ovidius University of Constanta, Faculty of Civil Engineering, Constanța, Romania

FSCER Conference Coordinator:
Assoc.Prof.PhD.Eng. **Constantin BUTA**