

FACULTY OF CIVIL ENGINEERING 22B Unirii Street., Code 900524, Constanța, Phone: +40 241.545.093 Email: secretariat\_fc@univ-ovidius.ro, Web page: www.constructii.univ-ovidius.ro

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

## Monday, July 14th, 2025, Constanța

Hybrid format:

on-line on Webex <u>https://ovidius.webex.com/meet/constructii</u> 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			
		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			
	10:30 - 11:00	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			
		Keynote Speaker			
		Title "Artificial Intelligence&Civil Engineering: A road to success"			
	11:00-11:30	Phd Student: Eng. Adrian GHENCEA, Technical Manager ALLBIM NET			
		Affiliation: Ovidius University of Constanta, Romania,			
		Scientific Coordinator: Prof.PhD.Eng. Ana-Maria GRAMESCU			
		Affiliation: Ovidius University of Constanta, Institute of Doctoral Studies, Constanța, Romania			
	Phd Students Session				
	Ν	Ioderators: Anca CONSTANTIN, Ana-Maria GRĂMESCU			
	11:30 - 11:45	Title "Rapid Transit As A Solution To The Problem Of Urban Transport In			
1.		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			

Affiliation: Faculty of Civil Engineering, Ss. Cyril and Methodius, University of Skopie         2       11:45-12:00         3       11:45-12:00         4       11:45-12:00         5       12:00-12:15         5       12:10-12:15         6       12:15-12:30         7       12:10-12:45         7       12:30-12:45         7       12:30-12:45         8       12:45-13:00         7       13:00-13:15         7       13:00-13:15         8       13:15-13:30         9       13:30-13:45         9       13:30-13:45				
2       Phd Student: Teodora Popović Atfiliation: University of Montenegro, Faculty of Civil Engineering, Podgorica, Montenegro Scientific Coordinator: Biljana Ivanović, Affiliation: University of Montenegro, Faculty of Civil Engineering, Podgorica, Montenegro Title "Hydraulic modeling of flood discharge through a weir" Phd Student: Ing, Roman Tóth Affiliation: Slovak University of Technology, Department of Hydraulics Engineering, Slovak Scientific Coordinator: PhD Ing, Ján Rumann Affiliation: Slovak University of Technology, Department of Hydraulics Engineering, Slovak Scientific Coordinator: PhD Ing, Ján Rumann Affiliation: Koszalin University of Technology, Department of Hydraulics Engineering, Slovak Scientific Coordinator: PhD Eng, Mateusz Zakrzewski Affiliation: Koszalin University of Technology, Poland Scientific Coordinator: Prof. DSC(Eng) Jacek Domski Affiliation: University of Architecture, Civil Engineering and Geodesy (UACEG), Faculty of Engineering, Department of Water Supply and Severage, Water Treatment Profile, Sofia, Bt Scientific Coordinator: Chemist Svetlana Lazarova Affiliation: University of Architecture, Civil Engineering and Geodesy (UACEG), Facult Engineering, Department of Water Supply and Severage, Sofia, Bulgaria Title "A survey on the seismic retrofit of a reinforced concrete building" Phd Student: Alexandru – Nicolae BIZU Affiliation: Oxidius University of Constanta, Faculty of Civil Engineering, Constanța, Romat Scientific Coordinator: Prof.PhD.Eng. Dorina-Nicolina ISOPESCU Affiliation: Oxidius University of Constanta, Faculty of Civil Engineering, Constanța, Romat Scientific Coordinator: Prof.PhD.Eng, Ana-Maria GRÅMESCU Affiliation: Oxidius University of Constanta, Faculty of Civil Engineering, Constanța, Romat Scientific Coordinator: Prof.PhD.Eng, Ana-Maria GRÅMESCU Affiliation: Oxidius University of Constanta, Faculty of Civil Engineering, Constanța, Romat Scientific Coordinator: Prof.PhD.Eng, Florin TEPEŞ-ONEA Affiliation: Oxidius University of				
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5     12:30-12:45     Students: Yanko Yankov, Martin Bozhkov Affiliation: University of Architecture, Civil Engineering and Geodesy (UACEG), Faculty of Engineering, Department of Water Supply and Sewerage, Water Treatment Profile, Sofia, Bt Scientific Coordinator: Chemist Svetlana Lazarova Affiliation: University of Architecture, Civil Engineering and Geodesy (UACEG), Facul 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, Constanta, Roman Scientific Coordinator: Prof.PhD.Eng. Dorina-Nicolina ISOPESCU Affiliation: Ovidius University of Constanta, Faculty of Civil Engineering, Constanta, Roman Scientific Coordinator: Prof.PhD.Eng. Ana-Maria GRĂMESCU Affiliation: Ovidius University of Constanta, Faculty of Civil Engineering, Constanta, Roman Scientific Coordinator: Prof.PhD.Eng. Ana-Maria GRĂMESCU Affiliation: Ovidius University of Constanta, Faculty of Civil Engineering, Constanta, Roman Scientific Coordinator: Assoc.Prof.PhD.Eng. Florin TEPEŞ-ONEA Affiliation: Ovidius University of Constanta, Faculty of Civil Engineering, Constanta, Roman Scientific Coordinator: Assoc.Prof.PhD.Eng. Florin TEPEŞ-ONEA Affiliation: Ovidius University of Constanta, Faculty of Civil Engineering, Constanta, Roman       9     13:30-13:45     Title "Contributions on the behavior of a reinforced concrete structure loo marine environment" Phd Student: Eng. Andreea CONSTANTINESCU Affiliation: Ovidius University of Constanta, Faculty of Civil Engineering, Constanta, Romania Scientific Coordinator: Prof.PhD.Eng. Ana-Maria GRĂMESCU Affiliation: Ovidius University Timisoara				
5     12:30-12:45     Affiliation: University of Architecture, Civil Engineering and Geodesy (UACEG), Faculty of Engineering, Department of Water Supply and Sewerage, Water Treatment Profile, Sofia, Bu Scientific Coordinator: Chemist Svetlana Lazarova Affiliation: University of Architecture, Civil Engineering and Geodesy (UACEG), Faculty of 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, Constanta, Roman Scientific Coordinator: Prof.PhD.Eng. Dorina-Nicolina ISOPESCU Affiliation: "Gheorghe Asachi" Technical University of Iasi, Faculty of Civil Engineering Services       7     13:00-13:15     Title "Proposal for interventions in a single-family building subject to seis Phd Student: Andrei – Cristian PANCHICI Affiliation: Ovidius University of Constanta, Faculty of Civil Engineering, Constanta, Roman Scientific Coordinator: Prof.PhD.Eng. Ana-Maria GRĂMESCU Affiliation: Ovidius University of Constanta, Faculty of Civil Engineering, Constanta, Roman Scientific Coordinator: Prof.PhD.Eng. Florin TEPES-ONEA Affiliation: Ovidius University of Constanta, Faculty of Civil Engineering, Constanta, Romania Scientific Coordinator: Assoc.Prof.PhD.Eng. Florin TEPES-ONEA Affiliation: Ovidius University of Constanta, Faculty of Civil Engineering, Constanta, Romania Scientific Coordinator: Prof.PhD.Eng. Ana-Maria GRĂMESCU Affiliation: Politehnica University Timisoara, Romania Scientific Coordinator: Prof.PhD.Eng. Ana-Maria GRĂMESCU Affiliation: Ovidius University of Constanta, Faculty of Civil Engineering, Constanta, Romania Scientific Coordinator: Prof.PhD.Eng. Ana-Maria	lver.			
5     12:30-12:45     Engineering, Department of Water Supply and Sewerage, Water Treatment Profile, Sofia, Bu Scientific Coordinator: Chemist Svetlana Lazarova Affiliation: University of Architecture, Civil Engineering and Geodesy (UACEG), Facul 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, Romat Scientific Coordinator: Prof.PhD.Eng. Dorina-Nicolina ISOPESCU Affiliation: "Gheorghe Asachi" Technical University of Iasi, Faculty of Civil Engineerin Services       7     13:00-13:15     Title "Proposal for interventions in a single-family building subject to seis Phd Student: Andrei – Cristian PANCHICI Affiliation: Ovidius University of Constanta, Faculty of Civil Engineering, Constanța, Romat Scientific Coordinator: Prof.PhD.Eng. Ana-Maria GRĂMESCU Affiliation: Ovidius University of Constanta, Faculty of Civil Engineering, Constanța, Romat Scientific Coordinator: Prof.PhD.Eng. Ana-Maria GRĂMESCU Affiliation: Ovidius University of Constanta, Faculty of Civil Engineering, Constanța, Romat Scientific Coordinator: Prof.PhD.Eng. Florin ŢEPEŞ-ONEA Affiliation: Ovidius University of Constanta, Faculty of Civil Engineering, Constanța, Romat Scientific Coordinator: Assoc.Prof.PhD.Eng. Florin ŢEPEŞ-ONEA Affiliation: Ovidius University of Constanta, Faculty of Civil Engineering, Constanța, Romat Scientific Coordinator: Prof.PhD.Eng. Ana-Maria GRĂMESCU Affiliation: Politehnica University Timisoara, Romania Scientific Coordinator: Prof.PhD.Eng. Ana-Maria GRĂMESCU Affiliation: Ovidius University of Constanta, Faculty of Civil Engineering, Constanța, Romania Scientific Coordinator: Prof.PhD.Eng. Ana-Maria GRĂMESCU	Hydraulic			
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Phd Student: Eng. Nicoleta ÎNSURĂŢELU				
10 <b>13:45-14:00</b> 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)				

	<b>MSc Students Session</b> 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, Constanța, Romania       Scientific Coordinator: Assoc.Prof.Phd.Eng. Anca CONSTANTIN       Affiliation: Ovidius University of Constanta, Faculty of Civil Engineering, Constanța, Romania			
11	15:15-15:30	Title: "Energy performance evaluation for a residential building with attic, located in Constanta"MSc Student: Andreea MIHALCEAAffiliation: Ovidius University of Constanta, Faculty of Civil Engineering, Constanța, RomaniaScientific Coordinator: Assoc.Prof.Phd.Eng. Anca CONSTANTIN Affiliation: Ovidius University of Constanța, Faculty of Civil Engineering, Constanța, Romania			
12	15:30-15:45	Title: "Optimizing energy consumption for a building with a terrace roof, located in Bucharest"MSc Student: Melek OSMANAffiliation: Ovidius University of Constanta, Faculty of Civil Engineering, Constanta, RomaniaScientific Coordinator: Assoc.Prof.Phd.Eng. Anca CONSTANTIN Affiliation: Ovidius University of Constanta, Faculty of Civil Engineering, Constanța, Romania			
13	15:45-16:00	Title: "Energy audit elements for a pension located in Tulcea"MSc Student: Cristina ZANFIRAffiliation: Ovidius University of Constanta, Faculty of Civil Engineering, Constanța, RomaniaScientific Coordinator: Assoc.Prof.Phd.Eng. Anca CONSTANTINAffiliation: Ovidius University of Constanta, Faculty of Civil Engineering, Constanța, Romania			
14	16:00-16:15	Title Evaluation of the structural integrity of a load-bearing masonry churchMSc Student: Eng. Beatrice-Laura COCORAffiliation: Ovidius University of Constanta, Constanța, RomaniaScientific Coordinator: Prof.PhD.Eng. Ana-Maria GRĂMESCUAffiliation: Ovidius University of Constanta, Constanța, Romania			
15	16:15-16:30	Title Analysis methods to quantify the bearing capacity of the piles of a pre-existing enclosureMSc Student: Eng. Daniela-Fiorentina BUCULEI Affiliation: Ovidius University of Constanta, Constanța, RomaniaScientific Coordinator: Prof.PhD.Eng. Ana-Maria GRĂMESCU Affiliation: Ovidius University of Constanta, Constanța, 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, Constanța, RomaniaScientific Coordinator: Assoc.Prof.Phd.Eng. Diana-Doina TENEA Affiliation: Ovidius University of Constanta, Faculty of Civil Engineering, Constanța, Romania			
17	16:45-17:00	Title "Management of a Project for Extending an Industrial Hall"MSc Student: Eng. Raluca-Elena VILĂUAffiliation: Ovidius University of Constanta, Faculty of Civil Engineering, Constanța, RomaniaScientific Coordinator: Prof.Phd.Eng. Ichinur OMERAffiliation: Ovidius University of Constanta, Faculty of Civil Engineering, Constanța, Romania			
18	17:00-17:15	Title "Life cycle asssessment of quays made of metal sheet piles"MSc Student: Eng. Diana MÁNESCUAffiliation: Technical University of Cluj-Napoca, Faculty of Civil Engineering, RomaniaScientific Coordinator: Assist.Prof.Phd.Eng. Mădălina STĂNESCUAffiliation: Ovidius University of Constanta, Faculty of Civil Engineering, Constanța, Romania			
19	17:15-17:30	Title: "Seismic performance analysis of reinforced concrete structures"MSc Student: Alexandra STOIANAffiliation: Ovidius University of Constanta, Faculty of Civil Engineering, Constanța, RomaniaScientific Coordinator: Assist.Prof.Phd.Eng. Mirela POPAAffiliation: Ovidius University of Constanta, Faculty of Civil Engineering, Constanța, Romania			

20	17:30-17:45	Title "Study on the ecological certification of an educational building"MSc Student: Eng. Ovidiu SONESCUAffiliation: Ovidius University of Constanta, Faculty of Civil Engineering, Constanța, RomaniaScientific Coordinator: Assoc.Prof.Phd.Eng. Constantin BUTAAffiliation: Ovidius University of Constanta, Faculty of Civil Engineering, Constanța, Romania
21	17:45-18:00	Technical and economic analysis regarding the implementation of an investment. Casestudy – construction of a self-service car washMSc Student: Eng. Alin-Ionuț STĂNĂGUIAffiliation: Ovidius University of Constanta, Faculty of Civil Engineering, Constanța, RomaniaScientific Coordinator: Assoc.Prof.Phd.Eng. Constantin BUTAAffiliation: Ovidius University of Constanta, Faculty of Civil Engineering, Constanța, Romania
22	18:00-18:15	Title " Environmental impact study of a multifunctional medical center"MSc Student: Eng. Daiana BERCUCIUAffiliation: Ovidius University of Constanta, Faculty of Civil Engineering, Constanța, RomaniaScientific Coordinator: Assist.Prof.Phd.Eng. Geanina MIHAIAffiliation: Ovidius University of Constanta, Faculty of Civil Engineering, Constanța, Romania

FSCER Conference Cordinator:

Assoc.Prof.PhD.Eng. Constantin BUTA