



The 2nd National Conference
on Wind Engineering

PROGRAM AT A GLANCE

The 2nd National Conference on Wind Engineering (2NCWE) is organized on 6 and 7 of June, 2019 at the Technical University of Civil Engineering Bucharest (UTCB). Four exceptional keynote lectures, four sessions of paper presentations and a round-table session will complete a successful professional meeting of the national and international wind engineering community, to discuss current issues of major interest.

Thursday June 6, 2019		
8:00 – 9:00	Registration of participants	Central Hall FCCIA/UTCB
9:00 – 9:45	Opening ceremony	Room I.2, FCCIA/UTCB
9:45 – 10:30	Keynote lecture 1 – Ahsan Kareem	Room I.2, FCCIA/UTCB
10:30 – 11:00	Coffee break	Room I.4, FCCIA/UTCB
11:00 – 12:30	Session 1	Room I.2, FCCIA/UTCB
12:30 – 13:30	Lunch break	Room I.4, FCCIA/UTCB
13:30 – 14:00	A word from sponsors	Room I.2, FCCIA/UTCB
14:00 – 14:45	Keynote lecture 2 – Horia Hangan	Room I.2, FCCIA/UTCB
14:45 – 15:15	Coffee break	Room I.4, FCCIA/UTCB
15:15 – 16:15	Session 2	Room I.2, FCCIA/UTCB
16.15:17.00	Technical visit: UTCB wind tunnel testing facility	Wind tunnel laboratory
17:00 – 17:15	Closing ceremony Day 1	Room I.2, FCCIA/UTCB
19:00 – 21:00	Gala dinner*	Hanu' Berarilor Casa Oprea Soare Restaurant

Venue: FCCIA/UTCB, Bd. Lacul Tei nr. 122-124, Sector 2, Bucharest
Room I.2 located at 1st floor
Room I.4 located at 1st floor

Gala dinner: Hanu' Berarilor Casa Oprea Soare Restaurant, 2 Penaru Bordea Street

Website: https://hanuberarilor.ro/ro/restaurante/casa_oprea_soare

*Confirmation on the menu type if vegetarian requested prior June 5th by e-mail at office@ariv.ro



The 2nd National Conference
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Friday June 7, 2019		
8:30 – 9:00	Registration of participants	Central Hall FCCIA/UTCB
9:00 – 9:45	Keynote lecture 3 – Giovanni Solari	Room I.2, FCCIA/UTCB
9:45 – 10:15	Coffee break	Room I.4, FCCIA/UTCB
10:15 – 11:45	Session 3	Room I.2, FCCIA/UTCB
11:45 – 12:15	Coffee break	Room I.4, FCCIA/UTCB
12:15 – 13:00	Round table	Room I.2, FCCIA/UTCB
13:00 – 14:00	Lunch break	Room I.4, FCCIA/UTCB
14:00 – 14:30	A word from sponsors	Room I.2, FCCIA/UTCB
14:30 – 15:15	Keynote lecture 4 – Dan Frangopol	Room I.2, FCCIA/UTCB
15:15 – 15:30	Coffee break	Room I.4, FCCIA/UTCB
15:30 – 16:15	Session 4	Room I.2, FCCIA/UTCB
16:15 – 16:30	Closing ceremony	Room I.2, FCCIA/UTCB

Venue: FCCIA/UTCB, Bd. Lacul Tei nr. 122-124, Sector 2, Bucharest
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DETAILED PROGRAM

Thursday June 6, 2019		
8:00 – 9:00	Registration of participants	Central Hall FCCIA/UTCB
9:00 – 9:45	Opening ceremony	Room I.2, FCCIA/UTCB
9:45 – 10:30	Keynote lecture 1 – Ahsan Kareem The Generalized Wind Loading Chain and Beyond	Room I.2, FCCIA/UTCB
10:30 – 11:00	Coffee break	Room I.4, FCCIA/UTCB
11:00 – 12:30	Session 1 Chairpersons – Alexandru Aldea & Vincent Denoël	Room I.2, FCCIA/UTCB
11:00 – 11:15	<i>Wind effects on the St. Joseph cathedral in the old and new configuration of the area</i> <u>Oana Alexandra Iagăr</u> , Giorgiana Alexandra Dinică, Alexandru Cezar Vlăduț, Costin Ioan Coșoiu	
11:15 – 11:30	<i>Estimation of modal correlations in wind buffeting analysis</i> <u>Margaux Geuzaine</u> , Vincent Denoël	
11:30 – 11:45	<i>Full scale monitoring of a light tower under wind action</i> Andrea Orlando, Luisa Carlotta Pagnini, <u>Maria Pia Repetto</u>	
11:45 – 12:00	<i>Recent wind-storms in Romania: wind velocity and associated damage</i> <u>Ileana Calotescu</u> , Marius Bârsan	
12:10 – 12:15	<i>Benefit of wind tunnels with large test sections for wind engineering applications</i> <u>Olivier Flamand</u> , Philippe Delpech, Pierre Palier, Jean-Paul Bouchet	
12:15 – 12:30	<i>CFD-based study on the effect of aerodynamic appendages in the aerodynamic response of a twin-box deck</i> Antonio J. Álvarez, <u>Felix Nieto</u> , Santiago Hernández	
12:30 – 13:30	Lunch break	Room I.4, FCCIA/UTCB
13:30 – 14:00	A word from sponsors: INGENIBER, TRUST ENGINEERING	Room I.2, FCCIA/UTCB
14:00 – 14:45	Keynote lecture 2 – Horia Hangan Tornadoes: From Reality to Simulations and Back	Room I.2, FCCIA/UTCB

14:45 – 15:15	Coffee break	Room I.4, FCCIA/UTCB
15:15 – 16:15	Session 2 Chairpersons – Andrei- Mugur Georgescu & Olivier Flamand	Room I.2, FCCIA/UTCB
15:15 – 15:30	<i>Fatigue of structures induced by buffeting actions</i> <u>Michela Damelle</u> , Maria Pia Repetto	
15:30 – 15:45	<i>Challenges for the Romanian wind and snow zonation maps</i> <u>Alexandru Aldea</u> , Dan Lungu, Radu Văcăreanu, Cristian Arion, Florin Pavel	
15:45 – 16:00	<i>Experimental wind tunnel testing of solar panel arrays</i> <u>Roberto Gómez Martínez</u> , Adrián Pozos-Estrada, Alberto López	
16:00 – 16:15	<i>Experimental model set-up for the assessment of wind action on the roof of the "Steaua Bucuresti" stadium</i> <u>Alexandru Cezar Vlăduț</u> , Costin Ioan Coșoiu, Andrei-Mugur Georgescu, Liviu Valer Hașegan, Mircea Degeratu	
16:15 – 17:00	Technical visit: UTCB Wind tunnel testing facility Andrei- Mugur Georgescu, Costin Ioan Coșoiu, Alexandru Cezar Vlăduț	
17:00 – 17:15	Closing ceremony Day 1&Group photo session	Room I.2, FCCIA/UTCB
19:00 – 21:00	Gala dinner*	Hanu' Berarilor Casa Oprea Soare Restaurant

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The 2nd National Conference
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Friday June 7, 2019		
8:30 – 9:00	Registration of participants	Central Hall FCCIA/UTCB
9:00 – 9:45	Keynote lecture 3 – Giovanni Solari Thunderstorm Downbursts: Monitoring, Modelling, Simulation and Loading of Structures	Room I.2, FCCIA/UTCB
9:45 – 10:15	Coffee break	Room I.4, FCCIA/UTCB
10:15 – 11:45	Session 3 Chairpersons – Ileana Calotescu & Maria Pia Repetto	Room I.2, FCCIA/UTCB
10:15 – 10:30	<i>On the use of the cubic translation to model bimodal wind pressures</i> François Rigo, Thomas Andrianne, <u>Vincent Denoël</u>	
10:30 – 10:45	<i>The potential wind power resource in central-south of the Constanta county</i> <u>Emilian Boboc</u>	
10:45 – 11:00	<i>Feasibility study for production of wind turbine blade with hydroforming</i> <u>André Sento Sé Barreto</u>	
11:00 – 11:15	<i>Wind action on a high-rise building of atypical shape – model tests in wind tunnel</i> <u>Aleksander Pistol</u> , Renata Klaput and Andrzej Flaga	
11:15 – 11:30	<i>Time-domain wind-induced structural damage evaluation</i> <u>Mihail Iancovici</u> , George Nica, Radu Văcăreanu, Florin Pavel	
11:30 – 11:45	<i>Experimental study of wind effect on a single story elevated house</i> Nourhan Abdelfatah, <u>Amal Elawady</u> , Peter Irwin, Arindam Gan Chowdhury	
11:45 – 12:15	Coffee break	Room I.4, FCCIA/UTCB
12:15 – 13:00	Round table: Evaluation of wind-induced loads: code-based, numerical and experimental techniques Convenor – Mircea Grigoriu <i>Translation models for wind pressures on low-rise buildings</i> <u>Mircea Grigoriu</u> , Haoran Zhao, Alin Radu	Room I.2, FCCIA/UTCB
13:00 – 14:00	Lunch break	Room I.4, FCCIA/UTCB
14:00 – 14:30	A word from sponsors: TENSOR	Room I.2, FCCIA/UTCB

14:30 – 15:15	Keynote lecture 4 – Dan Frangopol Lifetime Reliability of Structures Vulnerable to Hurricanes in Marine Environments	Room I.2, FCCIA/UTCB
15:15 – 15:30	Coffee break	Room I.4, FCCIA/UTCB
15:30 – 16:15	Session 4 Chairpersons – Costin Ioan Coşoiu & Felix Nieto	Room I.2, FCCIA/UTCB
15:30 – 15:45	<i>Wind tunnel work perspective since the 1970's to our days for pedestrian's comfort application</i> <u>Lyna Othmani Marabout</u> , Anton Anton	
15:45 – 16:00	<i>Updating of the dynamic analysis procedure and serviceability requirements for the Mexican manual of civil structures</i> <u>Adrián Pozos-Estrada</u>	
16:00 – 16:15	<i>Wind load design of photovoltaic power plants by comparison of design codes and wind tunnel tests</i> <u>Ovidiu Bogdan</u> , Dan Creţu	
16:15 – 16:30	Closing ceremony	Room I.2, FCCIA/UTCB

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