Day 0: Monday 16th June 2025

17:00	**Welcome Reception and Ice-breaker** - Rockheim Panorama, Brattørkaia 14 Registration and refreshments

Day 1: Tuesday 17th June 2025

8:30	**Registration** - Conference office at Radisson Blu Royal Garden Hotel						
9:00	**Opening Ceremony** – Olav Tryggvason joint room **Ole Andre Øiseth**						
9:45	**Keynote Lecture -** Olav Tryggvason joint room *(Chair - Mark Sterling)* **CFD in wind engineering: on successes and failures in large case studies, Professor Bert Blocken**						
10:45	Coffee break						
11:30	**Keynote Lecture -** Olav Tryggvason joint room *(Chair - Vincent Denoël)* **New Approaches for Assessing Synoptic and Non-Synoptic Wind Loading on Structures, Professor Girma Bitsuamlak**						
12:30	Lunch						
	Room 1 - Olav Tryggvason I **MS06: Recommendations for best practice in CFD** *(Chair - Bert Blocken and Alessio Ricci)*	**Room 2 - Olav Tryggvason II** **Bridge aerodynamics** *(Chair - Antonino Maria Marra)*	**Room 3 - Olav Tryggvason III** **Wind tunnel testing** *(Chair - Antonio Navarro Manso)*	**Room 4 - Munkholmen/ Kristiansten** **Urban Wind Climate and Pedestrian Comfort** *(Chair - Luisa Pagnini)*	**Room 5 - Sverresborg** **Pollutant dispersion** *(Chair - Cornelia Kalender)*	**Room 6 - Tavern** **Wind energy** *(Chair - Tommaso Massai)*	**Room 7 - Austrått** **Building aerodynamics** *(Chair - Elena Dragomirescu)*
13:30	D1S1.1 Recommendations on practical applications of inflow turbulence generation for large eddy simulation in wind engineering *Bowen Yan, Yangjin Yuan, Qingshan Yang, Jiawei Wan*	D1S1.1 A simplified formulations for free vibration and flutter analysis of simple suspension bridges *Tuan-Kiet La, SeungHo Lee, ByeongCheol Won, SoonDuck Kwon*	D1S1.1 Wind Tunnel Measurement of Aerodynamic Characteristics of Trains Passing each other on a Simply Supported Bridge *Haonan He, Xiaozhen Li, Ming Wang*	D1S1.1 Wind microclimate studies in the UK: subtleties, discrepancies and on-going challenges *Stefano Cammelli, Andrew Nicoli*	D1S1.1 Comparison of dynamic mesh and source term methods in simulating vehicle emission dispersion in a street canyon *Wen Lin, Wenbing Liu, Xuelin Zhang, Asiri Umenga Weerasuriya*	D1S1.1 Vortex methods for wind turbine rotors on floating substructures *Tor Anders Nygaard, Carlos Renan Santos, Lars Einar Sørensen Stieng, Mathias Huuse Marley*	D1S1.1 Full-scale vs. wind tunnel pressure measurements on a mid-rise building Antonio Malasomma, Vincenzo Picozzi, Luca Caracoglia, Alberto Maria Avossa, Francesco Ricciardelli
13:45	D1S1.2 Effects of the inflow turbulence on the force and pressure characteristics of a three-dimensional square cylinder by LES *Yoshiyuki Ono, Hiroto Kataoka*	D1S1.2 Application of reliability based design optimization to twin-box girder shape and gap for suspension bridges considering flutter constraint	D1S1.2 Simulating super- and trans-critical Regimes on curved Surfaces in Atmospheric-Boundary-Layer Wind Tunnels: Evidences from Surface Pressure Studies on a	D1S1.2 Comprehensive study of pedestrian wind comfort in large city centre *Agnieszka Kocoń*	D1S1.2 A Dynamic Overset Mesh Approach for Large-Eddy Simulation of Vehicle-Induced Turbulence and Pollutant Dispersion *Bingchao Zhang, Xuelin*	D1S1.2 Fluid-structure simulation and structural design analysis of a 5-MW wind turbine blade at different wind speeds *Chun-Ying Lee, Chun-Chi*	D1S1.2 Discussion of design wind loads on mullions installed at the corners of rectangular buildings *Tomoko Aihara, Yuji Isshiki, Yasushi Uematsu*

		Ibuki Kusano, Juan Quintela, Miguel Cid Montoya, José Ángel Jurado, Santiago Hernandez	Hemisphere and Quarter-Calotte Roof of a Biogas Plant *Christof Gromke, Oliver Lippert, Olivier Eiff, Rosemarie Wagner*		*Zhang, Yunfei Fu, Tim K.T. Tse, Peizhen Yang*	*Chang, Cheng-Han Zhuang, Jinsiang Shaw*	
14:00	D1S1.3 Linkage between spatial resolution and accuracy in 3D LES: three examples in bluff body aerodynamics *Felix Nieto, Antonio J. Alvarez, Kenny C.S. Kwok, Luca Patruno*	D1S1.3 Reliability analysis of long-span suspension bridges against buffeting considering uncertainty in flutter derivatives *Juan Quintela, José Ángel Jurado Albarracín Martinón, Miguel Cid Montoya, Ibuki Kusano, Santiago Hernández Ibáñez*	D1S1.3 Round-Robin Wind Tunnel Testing for High-Rise Buildings: Impact of Approach Flow Variations on Aerodynamics and Structural Response *DongHun Yeo, Adam Pintar, Girma Bitsuamlak, Arindam Gan Chowdhary, Tsinuel Geleta, Kurtis Gurley, Stéphanie Hartlin, Un Yong Jeong, Sukjun Joo, Sunho Kim, Soon Duck Kwon, Seungho Lee, Jens Møller-Madsen , Claudio Mannini, Tommaso Massai, Søren Østbirk, Brian Phillips, Ioannis Zisis*	D1S1.3 Predicting probability distributions of pedestrian-level wind speeds in realistic urban environments using mean and standard deviation *Wei Wang, Naoki Ikegaya*	D1S1.3 Analysis of air pollutant transport near a real urban canyon depending on daily traffic patterns *Ursula Voss, Svetlana Valger*	D1S1.3 About fatigue in wind turbines and the use of HSFD to enhance structural durability *Ettore Sorge, Carlos Riascos, Nicola Caterino*	D1S1.3 Aerodynamic oscillations of high-rise buildings using building mass damper *Jiarui Wu, Tsuyoshi Nozu, Kiyoshi Sasaki, Yuta Tomiyoshi*
14:15	D1S1.4 Some observations on LES vs RANS in predicting pedestrian wind comfort *Knut Erik Teigen Giljarhus, Usman Shaukat*	D1S1.4 The influence of along-span variation of static rotation angle in multi-mode flutter calculations *Sanne Poulin, Allan Larsen*	D1S1.4 Twin Wind Tunnel investigation of the scale effects on a street canyon flow *Nikolaos Petros Pallas, Brian Dsouza, Demetri Bouris, Andrea Sciacchitano, Christof Gromke*	D1S1.4 Reducing the double corner effect in orthogonal building layout to improve pedestrian wind comfort *Hakan Baş*	D1S1.4 Pollutant removal mechanisms of fetch effects in street canyons with different aspect ratios *Daniel Ziyue Peng, Bingchao Zhang, Cruz Y Li, Yunfei Fu, Tim K.T. Tse*	D1S1.4 Dynamic stall control of wind-turbine blades equipped with vortex generators and Gurney flaps *Marin Ivanković, Marvin Jentzsch, Anna Friederike Rahel Großmann , Vladimir Zimmermann, Marinos Manolesos, Christian Navid Nayeri, Hrvoje Kozmar*	D1S1.4 The mechanism behind VIV onset on rectangular cylinders with porous coverings: an experimental and numerical study *Marcello Catania, Giulia Pomaranzi, Alberto Zasso*
14:30	D1S1.5 An inflow turbulence over rough terrain generated with a digital filter method *Tsubasa Okaze, Akashi Mochida*	D1S1.5 Aeroelastic analysis of a pedestrian suspension bridge with a span of 648 m *Juan Quintela, Arturo Fontán Pérez, Aitor Baldomir García, José Ángel Jurado, Miguel Cid Montoya, Ibuki Kusano, Santiago Hernández Ibáñez*	D1S1.5 Effects of model scale and surroundings on surface pressures of a mid-rise building *Vincenzo Picozzi, Antonio Malasomma, Fabio Rizzo, Aleksander Pistol, Renata Klaput, Alberto Maria Avossa, Francesco Ricciardelli*	D1S1.5 Characterising the velocity field in the pedestrian zone under the influence of landscaping elements. *Jeremy Sacco, Daniel Micallef, Sudarshan Babu, Simon Paul Borg, Christopher Micallef*	D1S1.5 Evaluation of steady and unsteady-RANS simulations for pollutant dispersion in a realistic urban configuration *Xinyi Li, Mohammadreza Shirzadi, Yoshihide Tominaga, Tsubasa Okaze*	D1S1.5 Wind speed and turbulence recovery from SCADA data *Lasse Svenningsen, Troels Juul Pedersen*	
14:45		D1S1.6 Buffeting analysis on the Miguelturra footbridge *Alfredo Cámara, Gia Khanh Nguyen, Mikel Ogueta-Gutiérrez, Juan Andrés Cárdenas-Rondón, Sebastián Franchini Longhi*	D1S1.6 Wind tunnel testing of U-shaped and rectangular prisms at two turbulence levels of incoming flow *Michael Macháček, Stanislav Hračov, Karel Dejmal*	D1S1.6 Investigating the impacts of urban microclimate on energy consumption of residential high-rise buildings *Wenbing Liu, Xuelin Zhang, Asiri Umenga Weerasuriya*	D1S1.6 Establishing correlations between wind and air pollutant fields around isolated buildings *Yaojia Guo, Xuelin Zhang, Asiri Umenga Weerasuriya*	D1S1.6 Wind Power Forecast confidence interval based in LSTM combination of GFS-ECMWF-WRF ensembles. *Victor Matheus Silveira, Sofia Orteli, Alejandro Gutierrez*	
15:00	Coffee break						

	Room 1 - Olav Tryggvason I **MS06: Recommendations for best practice in CFD** *(Chair - Bert Blocken and Félix Nieto)*	**Room 2 - Olav Tryggvason II** **Bridge aerodynamics** *(Chair - Jasna Bogunovic Jakobsen)*	**Room 3 - Olav Tryggvason III** **Wind tunnel testing** *(Chair - Christof Gromke)*	**Room 4 - Munkholmen/ Kristiansten** **Urban Wind Climate and Pedestrian Comfort** *(Chair - Stefano Cammelli)*	**Room 5 - Sverresborg** **Pollutant dispersion** *(Chair - Ursula Voss)*	**Room 6 - Tavern** **Wind energy** *(Chair - Bernt Leira)*	**Room 7 - Austrått** **Cables and Transmission Lines** *(Chair - Ileana Calotescu)*
15:30	D1S2.1 Uncertainties by surface roughness specification in RANS CFD simulations of wind flow in urban areas *Bert Blocken*	D1S2.1 Aerodynamic investigation of twin-deck long-span bridges for vortex-induced vibrations *Samir Chawdhury, Gledson Rodrigo Tondo, Guido Morgenthal*	D1S2.1 Wind tunnel study of the drag coefficient of Mediterranean urban trees *Vasiliki Pappa, Demetri Bouris, Stella Tsoka, Nikos Markos*	D1S2.1 Urban planning at Nyhavna using CFD *Ken-Robert Gjelstad Jakobsen, Jacob Hudtwalcker, Tore Andreas Helgedagsrud, Ralph Bertram, Sarah Falbe Hansen*	D1S2.1 Rooftop emissions and dispersion into near-building flow fields in suburban areas *Cornelia Kalender, Mohammad Norouzi , Frank Harms, Ulf Winkelmann, Bernd Leitl, Rüdiger Höffer*	D1S2.1 Hierarchical dynamic wake modeling of wind turbine based on physics-informed generative deep learning *Q Wang, Z Ti, S Yang, K Yang, J Wang, Xiaowei Deng*	D1S2.1 Effects of conductors on wind-induced vibration of multi span transmission towers under various wind directions *Yongfei Zhao, Yang Yang, Ruwei Ma, Mingshui Li*
15:45	D1S2.2 CFD simulation for urban canyon flow under surface heating: Comparison between wall-resolved versus wall-modeled Large Eddy Simulation *Pu Gong, Weiheng Liang, Xing Zheng*	D1S2.2 Interaction of wind barrier and deck overhang on the vortex induced vibration response of slender bridge decks *Marko Duranovic, Craig Meskell*	D1S2.2 Wind load assessment of urban trees: A study of drag coefficients using wind tunnel testing *Fouad Elazaka, Haitham Ibrahim, Amal Elawady*	D1S2.2 POD study of Bristol CFD simulations with different levels of detail *Álvaro Manzano Sevillano, Clara Garcia-Sanchez, Soledad Le Clainche Martínez, Dani Fernández Comesaña*	D1S2.2 Measuring a Pollutant Plume over a 3D printed City Model *Tomos Rich, Christina Vanderwel*	D1S2.2 Vibration characteristics of multiple flat plates based on flow visualization *Nozomi Suzuki, Hiroshi Hasebe*	D1S2.2 Enhanced Atmospheric Icing Modelling of High-Voltage Transmission Lines *Erick Ulloa Jimenez , Stefan Steevens, Norbert Hoelscher, Susanne Diburg Hoelscher*
16:00	D1S2.3 Application of lattice Boltzmann method-based large-eddy simulation in flow around an isolated building *Mengtao Han, Hideki Kikumoto, Ryozo Ooka*	D1S2.3 Wind tunnel investigations of the aerodynamic interference of two independent bridge decks *Tor Martin Lystad, Ingrid Masdal, Stian Nilsen, Ole Andre Øiseth*	D1S2.3 Influence of PV panel Sizes on Wind-Induced Loads: A Comparative Study on Flat Roofs *Ioannis Zisis, Mahmoud Abdallah*	D1S2.3 Windbreak effects of Igune as traditional homestead trees in a clustered settlement at Osaki Koudo, Japan *Kento Minami, Eito Mizuta, Chinatsu Yonezawa, Tsubasa Okaze*	D1S2.3 Indoor-outdoor pollutant transport through a hollow cube with a cross-ventilating flow *Subhajit Biswas, Matteo Carpentieri, Christina Vanderwel*	D1S2.3 Torsional flutter harvester in non-stationary outflows, exploiting negative stiffness element for energy conversion *Luca Caracoglia*	D1S2.3 Selected results of experimental studies on the effect of icing on the aerodynamics of bridge cables *Marcin Tatara, Piotr Górski, Stanislav Pospíšil, Arsenii Trush*
16:15	D1S2.4 Recommendations for CFD best practice guidelines and requirements for wind loads on buildings *Tsinuel Geleta, Girma Bitsuamlak*	D1S2.4 Consideration of buffeting and vortex-induced vibration in wind-resistant design of a balanced cantilever bridge in construction stage *Juel Petter Bergseth, Aja Anta Magerøy Tønnessen, Aksel Fenerci, Per Norum Larsen*	D1S2.4 Experimental aerodynamic study of three-dimensional solar tracker plant model *Adrián Iglesias Sánchez, Mikel Ogueta-Gutiérrez, Jose Luis Ruiz-Moral, Adriana Carolina Hernández-Badillo, Sergio Marín-Coca*	D1S2.4 Method for Visualizing Wind Corridors Using Persistent Homology *Yuta Honda*	D1S2.4 A quick atmospheric dispersion simulation based on a coupling LES-database with on-site meteorological data *Hiromasa Nakayama, Takuto Sato*	D1S2.4 Wind power estimations of staggered high-rise building arrays with voids at varied plan area densities *Yee-Ting Lee, An-Shik Yang, Men-Shen Tsai*	D1S2.4 Cross-sectional variations and their impact on drag and vortex-induced vibrations in bridge hangers *Alessandro Galimberti, Federico Zanelli, Sara Muggiasca, Tommaso Argentini, Alberto Zasso, Jungao Wang*
16:30	D1S2.5 Complementary use of CFD simulations and wind tunnel tests in the built environment *Yoshihide Tominaga, Zitao Jiang*	D1S2.5 Deep learning emulation of forced vibration flows for accurate prediction of shape-dependent self-excited forces *Omar A Mures, Miguel Cid Montoya, Sumit Verma, Ashutosh Mishra*	D1S2.5 Investigation of the impact of roof ancillary structure on the wind load distribution of high-support photovoltaic array *Haiwei Xu, Tianzhu Wu, Haiwei Xu*	D1S2.5 Fast short-term forecasting of wind field using meteorological reanalysis data and near-surface observations *Xiang Wang, Hongyuan Jia, Chaoyi Hu, Keisuke Naoka, Hideki Kikumoto*	D1S2.5 Experimental Assessment of the Pollutant Dispersion of Ship Emissions *Stefanie Gillmeier, Anjali Krishnan Radhakrishnan Jayakumari, Eric Roosenboom, João Muralha, Guilherme Beleza Vaz, Felipe Sánchez Castro*	D1S2.5 Comparative study of aerodynamic characteristics on urban high-rise vertical farms *Simeng Xie, Pedro Martinez-Vazquez , Charalampos Baniotopoulos*	

16:45			D1S2.6 Terrain Effects on Wind Loads of Ground-Mount PV Systems *Daniel Markus, André Stollenwerk*				
17:00					**IAWE Task Group 2**: Buildings, large roofs structures, and cladding/envelope		
17:45					**IAWE Task Group 1**: Super-long-span bridges		

Day 2: Wednesday 18th June 2025

9:15	**Keynote Lecture -** Olav Tryggvason joint room *(Chair – Allan Larsen)* **Field observations of bridge deck aerodynamics, Professor Jasna B. Jakobsen**						
10:15	**Conference Group Photograph**						
10:30	Coffee break						
	Room 1 - Olav Tryggvason I **MS06: Recommendations for best practice in CFD** *(Chair - Bert Blocken and Xuelin Zhang)*	**Room 2 - Olav Tryggvason II** **Bridge aerodynamics** *(Chair - Miguel Cid Montoya)*	**Room 3 - Olav Tryggvason III** **Wind tunnel testing** *(Chair - Francesca Lupi)*	**Room 4 - Munkholmen/ Kristiansten** **Field measurements and wind characteristics** *(Chair - Federico Canepa)*	**Room 5 - Sverresborg** **Performance-Based Wind Engineering** *(Chair - Yasushi Uematsu)*	**Room 6 - Tavern** **Train/vehicle aerodynamics** *(Chair - Sebastian Reymert)*	**Room 7 - Austrått** **Bluff body aerodynamics** *(Chair - Alessio Torrielli)*
11:00	D2S1.1 Reflecting on the wind direction effects: how many degrees are enough? *Clara Garcia-Sanchez, Akshay Patil*	D2S1.1 An Open-Source Python Package for Stochastic Dynamic Analysis of Structures under Wind and Wave Loads *Aksel Fenerci, Knut Andreas Kvåle, Øyvind Wiig Petersen, Ole Andre Øiseth*	D2S1.1 Experimental and Numerical Investigation of Wind Loads on Buildings Located in Hilly Terrains *Rajendra Varma, Saalim Bin Kaisar*	D2S1.1 SAMURAI-S: A novel drone-mounted sonic anemometer for turbulence analysis *Mauro Ghirardelli, Stephan Kral, Etienne Cheynet, Joachim Reuder*	D2S1.1 Risk-targeted design wind speeds for performance-based design of long-span bridges *Zihang Liu, Genshen Fang, Yaojun Ge*	D2S1.1 Assessment framework of bridge VIV on running performance of high-speed trains *Ming Wang, Xiaozhen Li , Shihao Zhao, Mingfang Yang*	D2S1.1 Study on the vortex-induced vibration and aerodynamic characteristics of two tandem 4:1 rectangular cylinders *Jing Zhu*
11:15	D2S1.2 Challenges and developments in CFD modeling of urban microclimate at neighborhood scale *Aytac Kubilay, Dominique Derome, Jan Carmeliet*	D2S1.2 RANS CFD simulations to complement skew wind tunnel tests in bridge design *Trond-Ola Hågbo, Bernardo Morais da Costa*	D2S1.2 Experimental analysis of wind effects on moored container ships in harbour environments *Thomas Arnoult, Gertjan Glabeke, Luca Donatini, Jeroen Van Beeck*	D2S1.2 Drone swarm wind measurements within the shear layer of a nominally cuboid building *Sebastian James Kean, Mathew Marino, Abdulghani Mohamed, Simon Watkins*	D2S1.2 Cost-based optimization of a tall building subjected to wind action *Alessandro Giovani, Mattia Francioli, Francesco Petrini*	D2S1.2 Wind loading on a moving train due to a downburst *Aleksander Pistol, Mark Sterling, Chris Baker*	D2S1.2 Dynamic Mode Decomposition: what can be and should be done *Peizhen Yang, Zhuangyi Yuan, Yunlong Wang, Cruz Y Li*

11:30	D2S1.3 Automatic 3D geometry reconstruction of a large-scale city on complex topography for CFD simulations *Josip Žužul, Alessio Ricci, Massimiliano Burlando*	D2S1.3 Dynamic excitation of long-span bridges to downburst wind loading *Antonino Maria Marra, Luca Salvatori, Mario De Stefano, Paolo Spinelli*	D2S1.3 Real-Time Hybrid Simulation on Wind and Wave Load Responses of Floating Structures *Giheon You, Yunbyeong Chae*	D2S1.3 Outdoor Particle-Tracking Velocimetry of Wind Above a Full-Scale Nominally Cuboid Building *Finn Sutherland, Abdulghani Mohamed, Mathew Marino, Simon Watkins*	D2S1.3 Wind-driven considerations for tall RC building design in seismic environments *Morewe Mall, Aniket Panchal, Anastasia Athanasiou*	D2S1.3 Measurement of aerodynamic forces acting on a model train passing through a swirling flow using a tornado vortex generator *Masahiro Suzuki, Nobuyuki Okura*	D2S1.3 Wind force coefficients for designing open-type structures with flat roofs *Yuki Takadate, Yasushi Uematsu*
11:45	D2S1.4 LES for solar tracker wind loads: A benchmark experiment and validation study *Tsigereda Getachew Eshete, Tsinuel Geleta, Girma Bitsuamlak*	D2S1.4 Estimating bridge downtime from wind hazards considering comfort criterion *Zubair Zahoor Banday, Aksel Fenerci, Torodd Nord, Ole Andre Øiseth*	D2S1.4 Advancements underway in designing a national full-scale testing infrastructure for community hardening in extreme wind, surge, and wave events (NICHE) *Arindam Gan Chowdhury, Amal Elawady, Hermann Fritz, Catherine Gorle, Kurtis Gurley, Tracy Kijewski-Correa, Frank Lombardo, Pedro Lomonaco, Forrest Masters, Jack Puleo, Kristin Taylor, John van de Lindt, Paul Vasilescu, Ioannis Zisis*	D2S1.4 The Flow Field over a Cuboid Building: Full-Scale and Model-Scale Comparison *Finn Sutherland, Simon Watkins, Abdulghani Mohamed, Matthew Marino*	D2S1.4 Assessing seismically damaged buildings in wind environments: a comprehensive framework *Aniket Panchal , Anastasia Athanasiou*	D2S1.4 Full-scale measurements of freight train aerodynamics *Mike Jesson, David Soper, Chris Baker*	D2S1.4 Identify and visualize energy-wise and evolution-wise significant nonlinear flow features *Xisheng Lin, Yixiang Wang, Cruz Y Li, Tim K.T. Tse, Bingchao Zhang, Bingchao Zhang, Nick Yang*
12:00	D2S1.5 CFD Analysis of louvre blade designs on rooftop for enhancing wind energy potential *Yu-Hsuan Juan, Wan-Yi Chen, Ting-Yu Wei*	D2S1.5 Design of a wind tunnel sectional model for skew wind buffeting analysis *Lorenzo Rosa, Tommaso Argentini, Giulia Pomaranzi, Bernardo Morais da Costa, Jungao Wang*	D2S1.5 Development of a simple experimental method for wind and fire interaction problems *Hiroshi Hasebe, Yusuke Nakamura*	D2S1.5 Urban flow observations using lidars on a university campus *Jonas Thor Snæbjörnsson, Jasna Bogunovic Jakobsen*	D2S1.5 Comparative Study on Wind-Induced Response of High-Rise Core-Wall Buildings through Wind Spectral and Time History Analyses *Sol-Gi Eun, Thomas Kang*	D2S1.5 Effects of multi vehicles on aerodynamic forces of running vehicle on bridge against crosswind *Hiroshi Katsuchi, Jiaqi Wang*	D2S1.5 Numerical evaluation of internal pressure in a low-rise building model in tornado-like vortex *Qiang Chen, Jiping Kang, Delong Zuo*
12:15			D2S1.6 Estimation of mean value and variance of velocity from pressure measured by a pressure transducer *Carlos Carbajosa, Sergio Marín-Coca, Alejandro Martínez-Cava, Carolina Hernández-Badillo, Omar Gómez-Ortega*		D2S1.6 Calibration Algorithm for FNA Nonlinear Analysis in Wind-Resistant Design Using the Biaxial Bouc-Wen Model *Seonhyeong Kim, Thomas Kang*	D2S1.6 Interference Effects between High-Sided Road Vehicles: Aerodynamic Interactions under Crosswinds *Muhammad Ahmad Siddique, Partha Sarkar, Omar Smadi*	
12:30	Lunch break						
	Room 1 - Olav Tryggvason I **MS06: Recommendations for best practice in CFD** *(Chair - Bert Blocken and Clara Garcia Sanchez)*	**Room 2 - Olav Tryggvason II** **MS05: ERIES: Advancing frontier knowledge in wind engineering through laboratory testing** *(Chair - Maria Pia Repetto)*	**Room 3 - Olav Tryggvason III** **Non-Synoptic and Extreme Wind Events** *(Chair - Massimiliano Burlando)*	**Room 4 - Munkholmen/ Kristiansten** **Field measurements and wind characteristics** *(Chair - Simon Watkins)*	**Room 5 - Sverresborg** **Towers and chimneys** *(Chair - Chris Geurts)*	**Room 6 - Tavern** **Train/vehicle aerodynamics** *(Chair – David Soper)*	**Room 7 - Austrått** **Bluff body aerodynamics** *(Chair - Elena Dragomirescu)*

13:30	D2S2.1 Speeding up wind load predictions on cargo ships through multi-fidelity modeling *Matilde Fiore, Miguel Alfonso Mendez, Jeroen Van Beeck*	D2S2.1 Introduction to the ERIES project *Stefanie Gillmeier*	D2S2.1 Scaling of a full-scale thunderstorm for laboratory simulations *Ileana Calotescu, Horia Hangan*	D2S2.1 Vortex-induced force estimation in long-span bridges using latent force model *Shengyi Xu, Øyvind Wiig Petersen, Genshen Fang, Ole Andre Øiseth, Yaojun Ge*	D2S2.1 Vortex-induced vibrations measured on a full scale chimney *Agathe Schmider, Pascal Hémon*	D2S2.1 Crosswind stability of road vehicles under thunderstorm downburst winds *Carlos Esteban Araya Reyes, Antonio Cioffi, Gisella Tomasini*	D2S2.1 Sensitivity of cycling aerodynamics in crosswinds to turbulence modelling and CFD approaches *Jose Matias Arbelo Romero, Hassan Hemida, Mark Sterling, Bert Blocken*
13:45	D2S2.2 Numerical study of wind effects on moored container ships in harbour environments *Andrea P. C. Bresciani, Matilde Fiore, Thomas Arnoult, Julien Christophe, Gertjan Glabeke, Jeroen Van Beeck*	D2S2.2 ERIES-SOLAR: The assessment of downburst actions on solar panels at the WindEEE Dome *Antonio J. Alvarez, Felix Nieto, Petar Škvorc, Hrvoje Kozmar, Jeroen Van Beeck, Tibebu Birhane, Kimberley Adamek, Girma Bitsuamlak*	D2S2.2 Large-eddy simulation of downburst wind interaction with a mid-rise building *Mohammad Hadavi, Djordje Romanic, Alessio Ricci*	D2S2.2 Wind-induced vibration of traffic signal structures: Health monitoring and vibration mitigation *Partha Sarkar, Nayan Tiwari, Alice Alipour*	D2S2.2 An estimation of the unsteady lateral force on two full scale large vertical cylinders submitted to natural wind *Pascal Hémon, Ika Kurniawati, Francesca Lupi, Marc Seidel, Rüdiger Höffer*	D2S2.2 Comprehensive Risk Assessment of Vehicle Stability on Sea-Crossing Bridges : Joint Effects of Wind and Precipitation Data *Hyeong Yun Cheon, Sejin Kim, Ho-Kyung Kim*	D2S2.2 Cladding pressure amplitudes and their variation rates *Richard Brand, Frank Kemper*
14:00	D2S2.3 The importance of details during the development of CFD simulations: an example in sports aerodynamics *Fabio Malizia, Bert Blocken*	D2S2.3 ERIES-TLTB: Thunderstorm Loading on Tall Buildings *Camila Aldereguía Sánchez, Stefano Torre, Anna Bagnara, Federica Tubino, Maria Pia Repetto*	D2S2.3 Simulation of high-translation-speed tornado-like vortex effects on building aerodynamics through a rapid traversing system *Stefano Brusco, Adrian Costache, Timothy J. Acosta, Gregory A. Kopp*	D2S2.3 Field Observations of Buffeting Loads on a Suspension Bridge Girder *Nicolo Daniotti, Jasna Bogunovic Jakobsen, Jonas Thor Snæbjörnsson, Etienne Cheynet*	D2S2.3 Vortex-induced vibrations of wind turbine towers: Sensitivity analysis of prediction models for first and second mode *Ika Kurniawati, Francesca Lupi, Marc Seidel, Rüdiger Höffer, Hans-Jürgen Niemann*	D2S2.3 Extreme value distributions of vehicle lateral lane deviation using frequency-domain models and real-world data *Sebastian Reymert, Øyvind Wiig Petersen, Ole Andre Øiseth*	D2S2.3 Application of wind tunnel blockage correction to force measurements of U-beams with different flange porosity *Stanislav Hračov, Petr Michálek, Blanka Ledvinková, Michael Macháček*
14:15	D2S2.4 Implementing surface roughness in OpenFOAM using the CORINE database for mesoscale CFD simulations *Alessio Ricci*	D2S2.4 Does tornado vortex wandering really exist? *Aleksander Pistol, Mark Sterling, Mike Jesson, Girma Bitsuamlak, Fred L. Haan, Tibebu Birhane, Yealemnegus Waktola, Gregory A. Kopp*	D2S2.4 Thermal effects on large-scale experimental downbursts *Federico Canepa, Anthony Guibert, Andi Xhelaj, Josip Žužul, Djordje Romanic, Alessio Ricci, Horia Hangan, Olivier Flamand, Jean-Paul Bouchet, Philippe Delpech, Massimiliano Burlando*	D2S2.4 Aerodynamic forces on novel tetra-shaped solar panels mounted on flat roof: first insights from field measurements *Anjali Krishnan Radhakrishnan Jayakumari, Stefanie Gillmeier*	D2S2.4 Sensitivity of tower cranes to autorotation *Frank Kemper, Lin Hao, Johannes Duelli, Simon Kley*	D2S2.4 Investigation of perceived precipitation and accumulation characteristics on different surfaces of a moving vehicle *Mohammadsadegh Moradi Ghareghani, Farimah Hosseinnouri, Kiran Keshavan, Eric Villeneuve, Ismail Gultepe, John Komar, Martin Agelin-Chaab, Horia Hangan*	D2S2.4 A refined surface roughness method to simulate the transcritical flow regime past a circular cylinder *Claudio Mannini, Tommaso Massai, Niccolò Barni*
14:30	D2S2.5 Quality control of CFD analysis of virus-laden droplet transmission in indoor environments *Xuelin Zhang, Xiaodan Fan, Asiri Umenga Weerasuriya*	D2S2.5 The ERIES BOLT Project: Behavior of Telecommunication Lattice Towers to Thunderstorms Winds *Ileana Calotescu, Coșoiu Costin-Ioan , Horia Hangan, Kim Adamek, Tibebu Birhane, Girma Bitsuamlak*	D2S2.5 Comprehensive Framework for Scaling and Analyzing Downburst-like Outflows in Wind Tunnels—methodology and case study *Mohamed Eissa, Amal Elawady*	D2S2.5 Wind conditions monitoring for solar collector array design: the case of Nevada Solar One *Yuanchen Wan, Etienne Cheynet, Yan Li, Ulrike Egerer*		D2S2.5 Effect of static pitch angle on the upwind aerodynamics of yachts *Craig Meskell, Andrew Coyle*	D2S2.5 Impact of microcylinders cross-section geometry on wake characteristics *Renata Gnatowska*
14:45		D2S2.6 Data-driven Monte Carlo simulations of tornado-like-vortex-induced loads on low-rise buildings *Edmundo Gabriel Narancio, Han Ping Hong, Horia Hangan*	D2S2.6 Experimental testing of bridge decks in downburst-like winds *Øyvind Wiig Petersen, Aksel Fenerci, Sebastian Knedahl Hansen, Tibebu Birhane, Ole Andre Øiseth, Girma Bitsuamlak*				

15:00	Coffee break						
	Room 1 - Olav Tryggvason I **Vibration mitigation and control** *(Chair - Luca Caracoglia)*	**Room 2 - Olav Tryggvason II** **MS05: ERIES: Advancing frontier knowledge in wind engineering through laboratory testing** *(Chair - Oliver Flamand)*	**Room 3 - Olav Tryggvason III** **Non-Synoptic and Extreme Wind Events** *(Chair - Horia Hangan)*	**Room 4 - Munkholmen/ Kristiansten** **Field measurements and wind characteristics** *(Chair - Jonas Snæbjornsson)*	**Room 5 - Sverresborg** **Towers and chimneys** *(Chair - Mike Jesson)*	**Room 6 - Tavern** **MS04: Wind-Particle-Structure Interaction** *(Chair - Yoshihide Tominaga)*	**Room 7 - Austrått** **Wind hazards assessment and climate change** *(Chair - Fred Haan)*
15:30	D2S3.1 Experimental study of an asymmetric Stockbridge damper *Giacomo Bacci, Ole Andre Øiseth, Øyvind Wiig Petersen, Vincent Denoël*	D2S3.1 CLIMATHUNDERR: A first attempt to combine impinging jet and gravity current techniques to simulate downburst winds at large scale *Federico Canepa, Anthony Guibert, Andi Xhelaj, Josip Žužul, Djordje Romanic, Alessio Ricci, Horia Hangan, Olivier Flamand, Jean-Paul Bouchet, Philippe Delpech, Massimiliano Burlando*	D2S3.1 Simulating a Downburst Turbulent Outflow Velocity Field on a Moving Vehicle *Andi Xhelaj, Massimiliano Burlando, Luisa Pagnini, Maria Pia Repetto*	D2S3.1 Comparative analysis of gust factor for offshore monsoon, tropical cyclone, and thunderstorm winds *Yucheng Xue, Junyi He, Pakwai Chan, Qiusheng Li*	D2S3.1 Wind tunnel investigation of aerodynamic loads of circular cylinders from subcritical to supercritical Reynolds number regime *Alessandro Giusti, Andi Xhelaj, Andrea Orlando, Alessio Torrielli, Olivier Flamand*	D2S3.1 Impact of climate change for blowing snow in Hokkaido assessed by a large ensemble dataset *Kuniyasu Sugawara, Masaru Inatsu, Yusuke Harada*	D2S3.1 Effects of climate change on future winds and wind engineering practice in the UK *Rubina Ramponi, David Hankin, Anna Bagnara, Daniel Hackett, Stefano Cammelli*
15:45	D2S3.2 Study on the Active Aerodynamic Countermeasure for Vortex-Induced Vibration of the Π-shaped box girder *Han Xiao, Zhiwen Liu, Klaus Thiele, Zhengqing Chen*	D2S3.2 Evaluation of aerodynamic coefficients on a lattice structure by experimental wind tunnel tests *Bruno Jorge Clavelo, Kristof Maes, Patricia Martín, Vivian Elena, Federica Tubino, Giuseppe Piccardo, Maria Pia Repetto, Geert Lombaert*	D2S3.2 Experimental modelling of gusty bora windstorms *Petar Škvorc, Hrvoje Kozmar, Branko Grisogono, Antonio Jose Alvarez, Felix Nieto, Jeroen Van Beeck, Tibebu Birhane, Girma Bitsuamlak*	D2S3.2 Offshore vertical wind shear with WRF simulation and ERA5 reanalysis in Atlantic Ocean coast location *Victor Matheus Silveira, Ignacio Franco, Alejandro Gutierrez*	D2S3.2 Aerodynamic loads on groups of offshore wind turbine towers during the pre-assembly phase on port quaysides *Claudio Mannini, Tommaso Massai, Niccolò Barni, Alessandro Giusti*	D2S3.2 Field Observations of Snowdrift Formation Process Under Blowing Snow Using a Portable LiDAR Device *Tsubasa Okaze, Horofumi Niiya, Satoshi Omiya, Sojiro Sunako, Takahiro Tanabe, Kouichi Nishimura*	D2S3.2 Forecasting US design wind speeds in a changing climate: modeling with hurricane simulations *Susmita Bhowmik, Weichiang Pang*
16:00	D2S3.3 Wind-induced vibration control of high-rise buildings with double-skin facades using distributed multiple tuned facade-dampers-inerters *Chengxi Pan, Lingfeng Su, Haiwei Xu*	D2S3.3 Numerical simulation of the flow around a sectional scale model of a lattice tower *Costin Ioan Cosoiu, Ileana Calotescu, Kim Adamek, Tibebu Birhane, Girma Bitsuamlak*	D2S3.3 Experimental investigation of building openings effect on internal and external pressures induced by tornadic flows *Shirin Barkhordari, Elena Dragomirescu, Matthieu Hancock-LeFebour*	D2S3.3 A dataset for studying the impact of heat waves on the built environment in a humid continental climate *Miguel Martin Fehlmann, Clara Garcia-Sanchez, Jantien Stoter, Mario Berges*	D2S3.3 Inverse calculation of aerodynamic coefficients of a polygonal cylinder from full-scale monitoring data *Mekdes Tadesse Mengsitu, Andrea Orlando, Maria Pia Repetto*	D2S3.3 Optimalization of PV plants in snow rich areas *Thomas Thiis, Arnkell J. Petersen, Jan Potac, Matthias Henkies, Iver Frimannslund*	D2S3.3 A framework to assess the risk of windthrow in Irish forests. *Emmanuel Chukwudi Ekeoma, Mark Sterling, Nicole Metje, John Spink, Niall Farrelly, Owen Fenton*
16:15	D2S3.4 Equivalent damping in structures subjected to vortex induced vibrations and damped with tuned mass dampers *Anass Mayou, Vincent Denoël*	D2S3.4 The aerodynamic impact of overtaking manoeuvres on platooning vehicles *David Soper, Samuel Marshall, Mark Sterling, Stefanie Gillmeier*	D2S3.4 Maximum dynamic response of a monitored structure subjected to thunderstorm outflows: comparison between closed-form solutions and full-scale data *Luca Roncallo, Federica Tubino, Mekdes Tadesse Mengistu, Maria Pia Repetto*		D2S3.4 Fatigue assessment of pedestals for wind assisted propulsion systems on merchant ships *Gaute Storhaug, Jens Petter Turøy, Bernt Leira, Dag Myrhaug*	D2S3.4 Considerations in replicating In-cloud Ice Accretion on Power Lines in Climatic Wind Tunnel Testing *Francesca Lupi, Erick Ulloa Jimenez , Lubomir Matejicka , Norbert Hoelscher , Holger Hundborg Koss*	D2S3.4 Stow regime considerations for single axis tracker solar structures *Mike Gibbons, Zachary Taylor, Julia Veerman, David Horrocks*

16:30		D2S3.5 Vortex shedding of circular cylinders mounted on a rolling support at different Reynolds number regimes *Alessio Torrielli, Andrea Orlando, Andi Xhelaj, Alessandro Giusti, Olivier Flamand*	D2S3.5 Reconstructing thunderstorm wind speed time series from observed damage *Djordje Romanic*			D2S3.5 CFD simulation of aeolian sand erosion and deposition around a bluff body *Zitao Jiang, Yoshihide Tominaga, Xin Zhang*	
16:45		D2S3.6 Vortex-induced vibrations of the flexible bridge cable model *Arsenii Trush, Stanislav Pospisil, Olivier Flamand, Armando Carusone*					
17:00					**IAWE Task Group 3**: Wind Energy Systems		**Regional Assembly of the Europe-Africa Region** *(By invitation only)*
19:00	**Conference dinner** Radisson Blu Royal Garden Hotel Please note this is for those who purchased tickets during registration only.						

Day 3: Thursday 19th June 2025

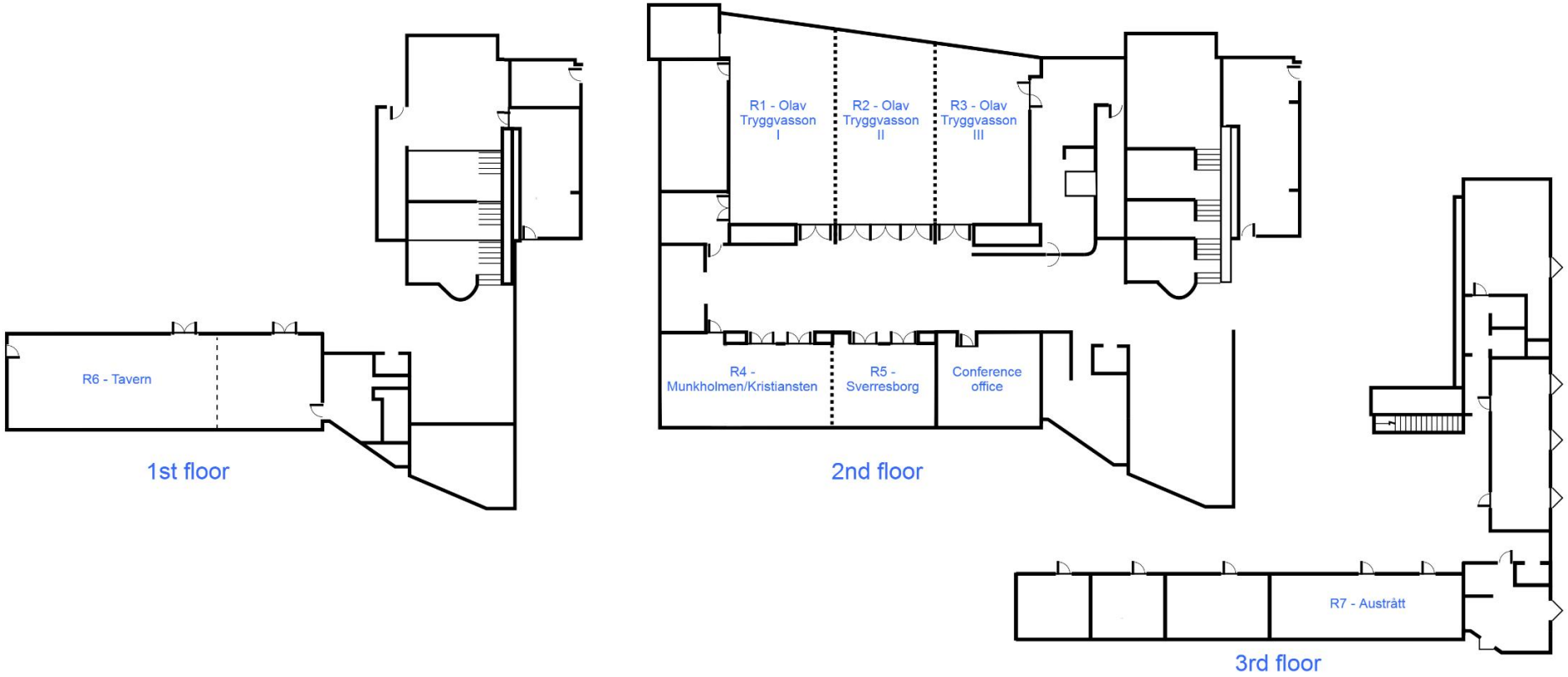
	Room 1 - Olav Tryggvason I **Computational wind engineering** *(Chair - Costin Cosoiu)*	**Room 2 - Olav Tryggvason II** **MS05: ERIES: Advancing frontier knowledge in wind engineering through laboratory testing** *(Chair - Stefanie Gillmeier)*	**Room 3 - Olav Tryggvason III** **Non-Synoptic and Extreme Wind Events** *(Chair - Djordje Romanic)*	**Room 4 - Munkholmen/ Kristiansten** **MS03: The Second Generation Eurocode Wind Actions** *(Chair - Francesco Ricciardelli)*	**Room 5 - Sverresborg** **Roof Systems and Cladding Performance** *(Chair - Aleksander Pistol)*	**Room 6 - Tavern** **Aeroelasticity** *(Chair - Wei Cui)*	**Room 7 - Austrått** **Wind hazards assessment and climate change** *(Chair - Zachary Taylor)*
09:00	D3S1.1 Enhancing OpenFOAM with EnKF for Efficient State and Parameter Optimization in Atmospheric Flows Emanuele Bombardi, Alessandro Gambale, Alessandro Parente	D3S1.1 Costal Urban-BOundary Layer Dynamics (CU-BOLD) *Djordje Romanic, Alessio Ricci, Masoud Meoini, Priyadarshi Maurya, Massimiliano Burlando*	D3S1.1 3D wind field retrieval within the thunderstorm cloud that occurred on September 23, 2023 in Piedmont (Italy) *Priya Kumari, Massimiliano Burlando, Renzo Bechini, Djordje Romanic, Alessandro Battaglia*	D3S1.1 The second generation Eurocode 1 Part 1-4 on wind actions *Francesco Ricciardelli*	D3S1.1 Aeroelastic Response of a Large Suspension Roof: Wind Tunnel Tests and Numerical Simulations *Tommaso Argentini, Filippo Calamelli, Umberto Spinelli, Lorenzo Rosa, Alberto Zasso*	D3S1.1 Instability of solar trackers in turbulent wind flow *Juan Zaracho, John David Ginger, David Henderson*	D3S1.1 A novel framework to assess multiscale wind hazard on structures and infrastructures: an application to Italy *Lorenzo Raffaele, Luca Bruno, Elisabetta Colucci, Nicolas Coste*

09:15	D3S1.2 Reproducing the atmospheric boundary layer for wind engineering using Mann and TurbSim inflow generation methods from wind energy Sophie Christine Breitkopf, Christian Hartz, Girma Bitsuamlak	D3S1.2 Rain-wind induced vibration of stay cables: several recommendations for wind tunnel testing *Vitor Diniz Pinto, Christos T. Georgakis, Allan Larsen, Cristoforo Demartino, Werner Brand , Jasna Bogunovic Jakobsen, Francesco Ricciardelli, Don Bergman, Robert Soltys*	D3S1.2 Hazard Maps of Typhoon-induced Wind, Wave and Surge along Southeast China *Xiaonong Hu, Genshen Fang, Yaojun Ge*	D3S1.2 Evaluation of the provisions for wind induced vibrations in the second generation Eurocode EN 1991-1-4 *Chris Geurts, Okke Bronkhorst*	D3S1.2 Influence of turbulence of oncoming flow on the admittance function of local pressures on a building roof *Vincent Denoël, Mattia Ciarlatini, Catherine Gorle*	D3S1.2 Experimental 2D analysis of the wake speed profile of a flat plate solar tracker in a defence position *José Luis Ruiz Moral, Raúl Manzanares , Omar Gómez-Ortega, Carlos Rodríguez-Casado, Carlos Carbajosa, Adriana Carolina Hernández-Badillo*	D3S1.2 Integrated Risk Assessment of Tree-Induced and Wind-Induced Damage to Low-Rise Buildings in Hurricane Scenarios *Mohammad Bakhshandeh, Jean-Paul Pinelli, Amal Elawady*
09:30	D3S1.3 Understanding the effect of large-scale forcing on small-scale flow response using canonical flows. Akshay Patil, Clara Garcia-Sanchez	D3S1.3 Experimental evaluation of wind effects on non-standard shapes and structures *Anoop Kodakkal, Rodrigo Castedo-Hernandez, Guillermo Martinez-Lopez, Ann-Kathrin Goldbach, Kai-Uwe Bletzinger, Kimberly Adamek, Tibebu Birhane, Girma Bitsuamlak*	D3S1.3 Identification of non-synoptic wind events from historical meteorological data *Adriana Chitez, Ileana Calotescu*	D3S1.3 Accounting for the incomplete correlation of windward and leeward pressures in EN 1991-1-4 *Frank Kemper, Richard Brand, Chris Geurts*	D3S1.3 Cable net stiffness fluctuation under wind flow *Fabio Rizzo, Aleksander Pistol, Renata Kaput , Francesco Ricciardelli, Maria Francesca Sabbà, Dora Foti , Luca Caracoglia*	D3S1.3 Enhancing solar tracker stability using machine learning techniques and numerical methods *Carlos Carbajosa, Rongshen Wang, Alejandro Martínez-Cava, Juan Andrés Cárdenas-Rondón, Raúl Manzanares-Bercial*	D3S1.3 Observed wind characteristics causing building damage during severe thunderstorms in a temperate coastal region *Matthew John Glanville*
09:45	D3S1.4 Computational conditions for Large-Eddy Simulation to predict wind pressure acting on building walls with sufficient numerical stability and accuracy Yu Inaba, Yuta Yamane, Yasuyuki Ishida	D3S1.4 Wet Snow Accretion on Transmission Lines in Climatic Wind Tunnel *Erick Ulloa Jimenez, Francesca Lupi, Norbert Hoelscher, Susanne Diburg Hoelscher, Jean Paul Bouchet, Bruno Gauducheau, Thomas Batmalle , Philippe Delpech , Olivier Flamand*	D3S1.4 Combined use of mast and lidar measurements for improved mapping of the wind climate in complex topography *Hálfdán Ágústsson, Martin Grønsleth, Ola Eriksen*	D3S1.4 Computational wind engineering for structural design: the Annex K of the new Eurocode 1 part 1-4 *Luca Bruno, Nicolas Coste, Claudio Mannini, Alessandro Mariotti, Luca Patruno, Paolo Schito, Giuseppe Vairo*	D3S1.4 A wind tunnel-based approach for evaluating wind loads simultaneity in photovoltaic park design *Giorgio Frontini, Stefano Giappino, Sara Muggiasca*	D3S1.4 Portable wind tunnel for single-degree-of-freedom flutter representation in single-axis solar trackers *Carlos Rodríguez-Casado, Claudia González Gutiérrez, Eduardo Blanco Marigorta, Maria E. Moreyra Garlock, Antonio Navarro-Manso*	D3S1.4 Wind vulnerability of industrial facilities equipment *Nahuel Bonfante, Jean-Paul Pinelli*
10:00	D3S1.5 Application and Limitations of URANS Simulations to determine the Aeroelasticity of Bridge Decks *Yuanchao Ding, Cong Chen, Julian Unglaub, Klaus Thiele*	D3S1.5 Wind impacts on vertiport design *Mohammad Amir Neshat, Edoardo Ruffini, Stefano Torre, Giuseppe Piccardo, Maria Pia Repetto, Yana Gorbachova, Dario Milani*	D3S1.5 Challenges in simulating the wind field for full bridge buffeting response to non-synoptic winds *Maria Antonietta Pace, Filippo Calamelli, Tommaso Argentini*	D3S1.5 Modernizing wind load standards for Ireland: A comparative analysis of first and second generation Eurocodes *David Cunningham, Jennifer Keenahan, Rubina Ramponi, Reamonn MacReamoinn*		D3S1.5 Investigating the effect of vegetation on PV trackers design and operation *Tiziano Leone, Federico Di Lenardo, Giorgio Frontini, Sara Muggiasca*	
10:15	D3S1.6 High performance computing resources and workflows on DesignSafe *Fred Haan, Jean-Paul Pinelli, Ahsan Kareem*	D3S1.6 Pollutant re-introduction investigation for occupational risk reduction (PRIORR) *Romain Guichard, Anjali Krishnan Radhakrishnan Jayakumari, Stefanie Gillmeier, Ali Bahloul*	D3S1.6 Dynamic response of the Hålogaland Bridge subject to non-stationary wind *Sebastian Knedahl Hansen, Aksel Fenerci, Øyvind Wiig Petersen, Ole Andre Øiseth*			D3S1.6 An aerodynamic mitigation measure for wind-induced vibration of a cable-supported photovoltaic farm *Haiwei Xu, Linyuan Shao, Wenjuan Lou*	
10:30	Coffee break						

	Room 1 - Olav Tryggvason I **Computational wind engineering** *(Chair - Alessio Ricci)*	**Room 2 - Olav Tryggvason II** **MS01: Aerodynamic Aspects in Extreme Crossings** *(Chair - Tommaso Argentini)*	**Room 3 - Olav Tryggvason III** **Non-Synoptic and Extreme Wind Events** *(Chair - Federica Tubino)*	**Room 4 - Munkholmen/ Kristiansten** **Machine learning and artificial intelligence** *(Chair - Bernardo Morais da Costa)*	**Room 5 - Sverresborg** **Ventilation** *(Chair - Stefanie Gillmeier)*	**Room 6 - Tavern** **Aeroelasticity** *(Chair - Partha Sarkar)*	**Room 7 - Austrått** **Wind field simulation** *(Chair - Etienne Cheynet)*
11:00	D3S2.1 LES simulation study of wind turbine aerodynamic characteristics with fluid-structure interaction analysis considering blade and tower flexibility *Weipeng Li*	D3S2.1 Aerodynamic stability of a single span suspension bridge for crossing of Sulafjord. *Allan Larsen, Ketil Aas-Jakobsen, Mads B Eriksen*	D3S2.1 Torsional instabilities of single-axis solar trackers: a benchmark for wind tunnel testing *Carlos Rodríguez-Casado, Eduardo Blanco Marigorta, Sebastián Franchini Longhi, Juan A. Cárdernas-Rondón, Antonio Navarro-Manso*	D3S2.1 High-resolution mean flow and Reynolds stress reconstruction in a two-dimensional urban street canyon using physics-informed neural networks *Yichen Wang, Bingchao Zhang, Chaoyi Hu, Hideki Kikumoto*	D3S2.1 Defining geometric level of detail of furniture for indoor ventilation *Nadine Hobeika, Philomena M. Bluyssen, Clara Garcia-Sanchez*	D3S2.1 Investigation of transient vortex-induced vibrations on a 2D square cylinder under accelerating flow conditions *Hao-Yu Bin, Gianmarco Lunghi, Mario Morello, Alessandro Mariotti, Maria Vittoria Salvetti, Stefano Brusco, Giuseppe Piccardo*	D3S2.1 Prediction of hurricane wind field with sparse observational data *Feng Hu, Bin Lu, Junyi He, Qiusheng Li*
11:15	D3S2.2 A novel eddy current tuned rolling cylinder damper for vibration control of wind turbine *Chao Wang, Zhenqing Liu*	D3S2.2 Aerodynamic performance of the Julsund bridge deck *Jungao Wang, Ketil Aas-Jakobsen, Tommaso Argentini, Giulia Pomaranzi, Alberto Zasso, Bjørn Isaksen, Johannes Veie*	D3S2.2 Equivalent Synoptic Wind: a tool for assessing non-synoptic wind effects on slender structures *Andrea Orlando, Luisa Pagnini, Maria Pia Repetto*	D3S2.2 Efficient analysis of mean flow around three-dimensional isolated building under multiple wind directions using physics-informed neural network *Chaoyi Hu, Hongyuan Jia, Yichen Wang, Hideki Kikumoto*	D3S2.2 Wind-driven natural ventilation of airport terminals *Matko Jelašić, Christoph Irrenfried, Guenter Brenn, Hrvoje Kozmar*	D3S2.2 Experimental Analysis of Vortex-Induced Second-Order Vibration Modes in Highly Slender Aeroelastic Models *Luisa Pagnini, Giuseppe Piccardo, Stefano Torre, Edoardo Ruffini, Akihito Yoshida, Stefano Cammelli*	D3S2.2 Development of multi-region Reduced-order Modeling framework: application in Atmospheric Boundary Layer flows over urban areas *Haoyan Li*
11:30	D3S2.3 Simulation of helicopter downwash during take-off and landing in urban environments *Knut Erik Teigen Giljarhus, Olli-Kerstan Baricako*	D3S2.3 An overview of the aerodynamic design of the Julsundet bridge towers *Giulia Pomaranzi, Jungao Wang, Tommaso Argentini, Alberto Zasso*	D3S2.3 Extreme gust trees damage in Montevideo city, operational alarm forecast with WRF ensemble simulation. *Alejandro Gutierrez, Mariana Molinari, German Vazquez, Sofia Orteli, Victor Silveira*	D3S2.3 A Novel Hybrid Machine Learning Approach for Wind Pressure Reconstruction Around Buildings with Limited Sensors *Foad Mohajeri Nav, Seyedeh Fatemeh Mirfakhar, Reda Snaiki*	D3S2.3 Evaluating the Impact of Horizontal Louvers on Natural Ventilation and Thermal Comfort in Polish Multi-Family Homes: A CFD Analysis *Mohammad Mahdi Mohammadi, Maciej Janowski*	D3S2.3 Evolutionary shape against vortex shedding *Olivier Flamand, Pedrazzini Andrea, Elsa Caetano*	D3S2.3 Comparison between LIDAR measurements and reanalysis wind velocities: a case study. *Vincenzo Sepe, Francesco Ricciardelli, Sergio Montelpare, Alberto M. Avossa*
11:45	D3S2.4 Simulating building-induced windshear at airports *Nick Pedersen, Bård Venås, Olai R. Hjetland*	D3S2.4 Wind engineering aspects of the Gordie Howe International Bridge between Canada and the United States *Pierre-Olivier Dallaire, Zachary Taylor, Mark Istvan, Stoyan Stoyanoff*	D3S2.4 Climate Change and Structural Damage Sensitivity in Extreme Storm Events: The Case of Storm Anatol. *Johanne Kristine Ølelund, Holger Hundborg Koss, Jens Hesselbjerg Christensen, Rune Zeitzen, Henrik Vedel*	D3S2.4 Prediction of Wind Pressure on Rectangular Buildings Using Diffusion Model *Yeong In Lee, Thomas Kang*		D3S2.4 Essential considerations when comparing unsteady time and frequency domain responses of structures *Romain Plasseraud, Aymeric Perret du Cray*	D3S2.4 Field measurements and numerical analysis of downslope winds in port areas *Ivana Ivančić, Alessio Ricci, Massimiliano Burlando, Djordje Romanic, Branko Grisogono, Hrvoje Kozmar*

12:00	D3S2.5 Towards the development of the extreme temperature map of Genoa using OpenFoam *Alessia Piazza, Massimiliano Burlando, Girma Bitsuamlak, Maria Pia Repetto*	D3S2.5 Long-term analysis of the Halsafjorden Bridge accounting for parametric effects of turbulence *Niccolò Barni, Ole Andre Øiseth, Øyvind Wiig Petersen, Claudio Mannini*		D3S2.5 An initiative for consolidating a universal aerodynamic coefficients database using LLM-driven web scraping *Dario Fernandez Castellon*			D3S2.5 Using WRF-CFD simulation to reproduce the environmental wind field during a helicopter crash accident *Yong-Ming Yang, Mei-Jiau Huang, Brian C. Kuo*
12:15	D3S2.6 Towards a database for validation of urban ventilation and pollution dispersion models *Petar Ognyanov Hristov, Radostin Mitkov, Mariya Pantusheva, Vasilis Naserentin, Anders Logg, Anjali Radhakrishnan Jayakumari, Stefanie Gillmeier*	D3S2.6 Aero-hydrodynamic coupled analysis of a floating long-span bridge *Soomin Kim, Youchan Hwang, Jeong-Gon Kim, Chungkuk Jin, Ho-Kyung Kim*					D3S2.6 Urban ventilation dynamics assessment of opening geometry and vertical configuration in permeable buildings *Yingming Su, Yu-cheng Fang*
12:30	Lunch						
	Room 1 - Olav Tryggvason I **Computational wind engineering** *(Chair - Girma Bitsuamlak)*	**Room 2 - Olav Tryggvason II** **MS01: Aerodynamic Aspects in Extreme Crossings** *(Chair - Jungao Wang)*		**Room 4 - Munkholmen/ Kristiansten** **Machine learning and artificial intelligence** *(Chair - Niccolo Barni)*	**Room 5 - Sverresborg** **Codes and standards** *(Chair - Francesco Ricciardelli)*		
13:30	D3S3.1 Large urban CFD simulations for wind and air quality analysis over Antwerp *Rober Mamani Camacho, Jorge Sousa, Stijn Vranckx*	D3S3.1 Sensitivity analysis of numerical modelling approaches for curved floating bridge buffeting response *Zihao Wang, Jasna Bogunović Jakobsen, Yanyan Sha*		D3S3.1 Extreme compression of URANS flow data *Omar A. Mures, Miguel Cid Montoya, Sumit Verma, Ashutosh Mishra*	D3S3.1 Non-uniform risk in ASCE 7 wind load reliability analyses: investigation and design recommendations *Brian Nielsen Skourup, Tushar Guha*		
13:45	D3S3.2 Evaluating turbulence model reliability for near-field pollutant dispersion in a realistic urban scenario. *Apostolos Krassas, Stefano Capra, Salvatore Renda, Eugene De Villiers*	D3S3.2 Internal Resonance during nonlinear flutter response of long-span bridges *Lin Zhao, Wei Cui*		D3S3.2 Learning weakly nonlinear Vortex-induced Vibration governing equations from experimental data *Teng Ma, Wei Cui, Lin Zhao*	D3S3.2 Code Provisions and Wind Tunnel Tests on Ground-Mounted Solar Structures *Francesco Dorigatti, Matthew T.L. Browne, Zachary Taylor*		
14:00	D3S3.3 Measurements and simulation of internal fan-driven airflow in a commercial greenhouse *Peter Sutherland Sharpe, William David Lubitz*	D3S3.3 Modelling of nonlinear aerodynamic self-excited forces on bridge decks – Going forward *Henrik Skyvulstad, Øyvind Wiig Petersen, Ole Andre Øiseth*		D3S3.3 Anomaly detection for mooring failure in pontoon-supported floating bridges *Jihun Song, Jonghyeok Lee, Seungjun Kim*	D3S3.4 Along-wind dynamic response in Eurocode *Svend Ole Hansen*		
14:15		D3S3.4 Bridge buffeting in skew winds – experimental aerodynamic coefficients and numerical analysis *Bernardo Morais da Costa, Jungao Wang*			D3S3.4 Stochastic wind load model for the reliability assessment and partial factor calibration of movable bridges in the Netherlands using local wind speed measurements *Liesette la Gasse, Lisa Swaalf, Okke Bronkhorst*		

14:30		D3S3.5 Insights into the nose-up effect on the Çanakkale twin-box bridge deck based on CFD simulations *Nicola Cortellazzi, Federico Di Lenardo, Maja Rønne, Daniele Rocchi, Tommaso Argentini*			D3S3.5 Reliability-based Load-resistance Factors for the Correlated Wind-wave Loads-governed Limit States in Floating Structures *Jeong-Gon Kim, Hae Sung Lee, Ho-Kyung Kim*		
14:45	Coffee break						
15:15	**Closing ceremony** – Olav Tryggvason joint room **PhD award prize** and **Critical Troll Wind Speed** contest prize						



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