



POLISH ASSOCIATION FOR WIND ENGINEERING

MEMBER ORGANIZATION OF THE
INTERNATIONAL ASSOCIATION FOR WIND ENGINEERING

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8th INTERNATIONAL CONFERENCE ON ENVIRONMENTAL EFFECTS ON BUILDINGS AND PEOPLE: *ACTIONS, INFLUENCES, INTERACTIONS, DISCOMFORT*

CRACOW – TYNIEC, POLAND, 3-5 OCTOBER, 2018

Time-table of the EEBP 8 Conference

03.10.2018 (Wednesday)

11 ⁰⁰ -11 ²⁰	Opening Ceremony – Andrzej Flaga, Tadeusz Chmielewski
11 ²⁰ -12 ⁵⁰	Session I - <i>Aerodynamics of buildings and structures</i>
13 ⁰⁰ -14 ⁰⁰	Lunch (Benedictine Abbey in Tyniec)
14 ²⁰ -15 ¹⁰	Session II - <i>Aerodynamics of buildings and structures</i>
15 ¹⁰ -15 ³⁰	Coffee break
15 ³⁰ -16 ⁰⁰	Sightseeing of the Benedictine Abbey in Tyniec
16 ¹⁵ -18 ⁰⁰	Session III - <i>Wind flows over complex terrain and extreme winds</i>
18 ¹⁵ -21 ⁰⁰	Dinner (Benedictine Abbey in Tyniec)

04.10.2018 (Thursday)

8 ⁰⁰ -9 ⁰⁰	Breakfast (Benedictine Abbey in Tyniec)
9 ²⁰ -11 ²⁵	Session IV - <i>Pedestrian wind comfort and environmental comfort</i>
11 ²⁵ -11 ⁴⁵	Coffee break
11 ⁴⁵ -13 ³⁵	Session V - <i>Smog reduction and urban ventilation</i>
13 ³⁵ -14 ¹⁵	Lunch (Benedictine Abbey in Tyniec)
15 ⁰⁰ -17 ⁰⁰	Session VI - <i>Miscellaneous</i>
17 ³⁰ -18 ⁰⁰	Transfer (by bus or ferry) to Bulwar Czerwieński Cracow on the Vistula River near Royal Wawel Castle
18 ⁰⁰ -22 ⁰⁰	Gala Dinner (C.C.Stefan Batory Restaurant)
23 ⁰⁰	Transfer by bus to the Benedictine Abbey in Tyniec

05.10.2018 (Friday)

8 ⁰⁰ -9 ⁰⁰	Breakfast (Benedictine Abbey in Tyniec)
9 ²⁰ -11 ⁰⁰	Session VII - <i>Snow and ice loads</i>
11 ⁰⁰ -11 ²⁰	Coffee break
11 ²⁰ -12 ²⁰	Session VIII - <i>Applied building and environmental acoustics</i>
12 ²⁰ -12 ⁴⁰	Coffee break
12 ⁴⁰ -13 ⁴⁰	Session IX - <i>Thermal and fire influences on buildings and structures</i>
14 ⁰⁰ -15 ⁰⁰	Closing Ceremony & Lunch (Benedictine Abbey in Tyniec)

03.10.2018 (Wednesday)

- 9⁰⁰-11⁰⁰ Registration (Reception)
- 11⁰⁰-11²⁰ Opening Ceremony – Andrzej Flaga, Tadeusz Chmielewski
- 11²⁰-12⁵⁰ Session I - *Aerodynamics of buildings and structures*
Chairmen: Andrzej Flaga, Tadeusz Chmielewski
Keynote lecture: Le-Dong Zhu, Wan-Lyu Zhuang, Bi-Shang Zhang, Xiu-Yu Chen
Unsteady method and nonlinear mechanism of galloping of rectangular-type cross sections
Sergei Pichugin, Anton Makhinko, Natalia Makhinko
The work of silo capacities under the influence of the wind load
Yasushi Uematsu, Roma Yamamura
Wind loads for designing the main wind force resisting systems of cylindrical free roofs
A. Aldea, S. Demetriu, R. Văcăreanu, D. Lungu, C. Neagu, C. Arion
A short historical overview of wind characteristics and wind pressure for design in Romania
- 13⁰⁰-14⁰⁰ Lunch (Benedictine Abbey in Tyniec)
- 14²⁰-15¹⁰ Session II - *Aerodynamics of buildings and structures*
Chairmen: Pospíšil Stanislav, Krzysztof Szilder
Grzegorz Bosak, Renata Kłaput, Agnieszka Kocoń, Andrzej Flaga
Wind tunnel tests of wind pressure distributions over wall and roof surfaces of the Sienna Towers high-rise building
Andrzej Flaga, Renata Kłaput, Agnieszka Kocoń
Global stability of lightning protection masts under wind action
Paulina Jamińska-Gadomska, Tomasz Lipecki, Michał Pieńko, Jerzy Podgórski
Wind flow around a church – Full scale measurements
- 15¹⁰-15³⁰ Coffee break
- 15³⁰-16⁰⁰ Sightseeing of the Benedictine Abbey in Tyniec
- 16¹⁵-18⁰⁰ Session III - *Wind flows over complex terrain and extreme winds*
Chairmen: Yasushi Uematsu, Jarosław Bęc
Keynote lecture: Ashraf El Damatty
Research for adaptive and sustainable structures
Maciej Dutkiewicz, David B. Roueche,
Sensitivity of simulated tornado-induced tree-fall patterns to choice of vortex model: application to empirical tornado fragility functions
Sergey Kuznetsov, Stanislav Pospíšil, Hrvoje Kozmar, Arsenii Trush
Wind-tunnel modelling of wind flows above a hill in the thermally stratified atmospheric boundary layer
A. Moediartianto, H. Montazeri, B. Blocken
Numerical and wind-tunnel analysis of convective heat transfer at ground surfaces around complex building models
Tadeusz Chmielewski
Proposed classification of stationary and nonstationary winds in Poland
- 18¹⁵-21⁰⁰ Dinner (Benedictine Abbey in Tyniec)

04.10.2018 (Thursday)

- 8⁰⁰-9⁰⁰ Breakfast (Benedictine Abbey in Tyniec)
- 9²⁰-11²⁵ Session IV - *Pedestrian wind comfort and environmental comfort*
Chairmen: Alexandru Aldea, Shuyang Cao
Keynote lecture: Yukio Tamura, Xiaoda Xu, Qingshan Yang, Akihito Yoshida
Wind environmental characteristics around super-tall buildings with various configurations
Akinori Akahoshi, Yasushi Uematsu
Study of criterion for wind environment assessment considering the effect of turbulence
Holger Hundborg Koss
Understanding urban environments for sustainable urban design
Asiri U. Weerasuriya, Xuelin Zhang, Tim K.T. Tse
An ANN-based surrogate model for predicting pedestrian-level wind environment
Agnieszka Kocoń, Magdalena Grzybek, Renata Kłaput, Andrzej Flaga
Pedestrian wind comfort around high buildings in Warsaw
Łukasz Flaga
Identification and analysis of urban solar reflections on the example of the Hub buildings in Warsaw
- 11²⁵-11⁴⁵ Coffee break
- 11⁴⁵-13³⁵ Session V - *Smog reduction and urban ventilation*
Chairmen: Kuznetsov Sergej, Andrzej Szarata
Keynote lecture: Andrzej Flaga
Dynamic action on atmospheric boundary layer as an effective method of improving the urban areas ventilation with similarity criteria of the problem
Mariusz Rutkowski, Michał Remer
Wind study for ventilation corridors in the City of Warsaw
Łukasz Flaga, Aleksander Pistol, Piotr Krajewski, Andrzej Flaga
Model tests of dynamic action on the atmospheric boundary layer – linear configuration of ventilation towers on a rough terrain
Piotr Krajewski, Aleksander Pistol, Łukasz Flaga, Andrzej Flaga
Model tests of dynamic action on the atmospheric boundary layer – vertical ventilation towers of urban areas
Aleksander Pistol, Piotr Krajewski, Łukasz Flaga, Andrzej Flaga
Model tests of dynamic action on the atmospheric boundary layer – concentric configuration of ventilation towers with central ventilation chimney
- 13³⁵-14¹⁵ Lunch (Benedictine Abbey in Tyniec)
- 15⁰⁰-17⁰⁰ Session VI - *Miscellaneous*
Chairmen: Holger Hundborg Koss, Mariusz Maślak
Keynote lecture: Alberto Zasso
Wind interaction design challenges in solar shading louver systems and porous double skin façades
Daisuke Somekawa, Satoru Goto, Kiyotoshi Otsuka
A study on the temperature during the strong wind in Japan
Alicja Kowalska-Koczwara, Krzysztof Stypuła
New Polish Guidelines of human exposure to vibrations in buildings
Jarosław Bęc, Ewa Błazik-Borowa, Paulina Jamińska-Gadomska, Tomasz Lipecki
Vibrational environment at scaffoldings
Ewa Błazik-Borowa
Determination of the probability density function for static service loads of scaffoldings
- 17³⁰-18⁰⁰ Transfer (by bus or ferry) to Bulwar Czerwieński Cracow on the Vistula River near Royal Wawel Castle
- 18⁰⁰-22⁰⁰ Gala Dinner (C.C.Stefan Batory Restaurant)
- 23⁰⁰ Transfer by bus to the Benedictine Abbey in Tyniec

05.10.2018 (Friday)

- 8⁰⁰-9⁰⁰ Breakfast (Benedictine Abbey in Tyniec)
- 9²⁰-11⁰⁰ Session VII - *Snow and ice loads*
Chairmen: Jerzy Podgórski, Agata Szeląg
Keynote lecture: Mark Sterling, Chris Baker
Modelling tornadoes from wind engineering perspective
Górski Piotr, Tatar Marcin, Pospíšil Stanislav, Kuznetsov Sergej
Model investigations of aerodynamic coefficients of iced cable of cable-stayed bridges
Krzysztof Szilder
Snow accretion prediction on an inclined cable
Iver Frimannslund, Thomas K. Thiis
Feasibility study of a photovoltaic snow mitigation system
Andrzej Flaga, Grzegorz Bosak, Aleksander Pistol, Łukasz Flaga
Wind tunnel model tests of snow precipitation and redistribution on rooftops, terraces and vicinity of high-rise buildings
- 11⁰⁰-11²⁰ Coffee break
- 11²⁰-12²⁰ Session VIII - *Applied building and environmental acoustics*
Chairmen: Ewa Błazik-Borowa, Górski Piotr
Janusz Bohatkiewicz, Michał Jukowski, Marcin Dębiński, Maciej Hałucha
Study on noise originating from selected bridge expansion joints
Andrzej Flaga, Agata Szeląg, Katarzyna Baruch
Dimensional analysis and similarity criteria for the acoustic model tests
Katarzyna Baruch, Agata Szeląg, Aleksandra Majchrzak, Tadeusz Kamisiński
Engineering method to measure structure borne sounds transmitted through the building partitions
Bartosz Przysucha, Paweł Pawlik, Jerzy Maciejczyk, Tadeusz Wszótek, Agata Szeląg
Probability distribution of the long-term noise indicators on the example of continuous monitoring of the city of Gdańsk
- 12²⁰-12⁴⁰ Coffee break
- 12⁴⁰-13⁴⁰ Session IX - *Thermal and fire influences on buildings and structures*
Chairmen: Tomasz Lipecki, Łukasz Flaga
Shuyang Cao, Jin Wang, Jinxin Cao
Tornado-induced wind load on structures and its risk assessment
Mariusz Maślak, Michał Pazdanowski, Piotr Woźniczka
Forecast of a fire spreading in a large-area shopping hall
S.F. Pichugin, V.A. Pashynskyi, A.M. Kariuk
The dataware of building structures reliability calculations under temperature effects
Wojciech Węgrzyński, Grzegorz Krajewski
Optimisation of natural smoke control system in isolated industrial building using CWE approach
Iwona Szer, Jacek Szer, Tomasz Lipecki
Assessment of the possibility of using data from meteorological stations to determine thermal loads on scaffolding workers
- 14⁰⁰-15⁰⁰ Closing Ceremony & Lunch (Benedictine Abbey in Tyniec)