

Recent wind-induced damage in Romania

By
Ileana Calotescu
Technical University of Civil Engineering Bucharest, Romania

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[Abstract]

The seminar presents an overview of the damage that has occurred in Romania due to wind storms in the past five years (2013-2017). The events were identified based on mass-media reports published in newspapers at the time of occurrence of each storm. Damage was categorized according to the hazardous weather events that usually accompany storms such as strong winds, hail or heavy rain. In the seminar, the most common type of damage produced by wind storms to both the built as well as the natural environment will be presented.



[Bio]

Ileana Calotescu is an assistant professor at the Technical University of Civil Engineering Bucharest, Romania. She has received her PhD in wind engineering in 2012 from the Technical University of Civil Engineering Bucharest following a six months research stage at Genova University under the supervision of Professor Giovanni Solari. She has published seven journal articles in wind engineering as well as earthquake engineering out of which one in an ISI Thompson international journal. She has participated to three national conferences and eight international conferences in the past four years. She is a founding member and the General Secretary of the Romanian Association for Wind Engineering.

The most relevant publications:

- Calotescu I., Overview of recent wind-induced damage in Romania based on mass-media reports. Proceedings, International Workshop on Wind-Related Disasters and Mitigation (WRDM), Tohoku University, Sendai, Japan, March 11-14 2018.
- Calotescu I., Freda A., Solari G., Torre S., Investigation o Alongwind and Crosswind Loads on Freestanding Lattice Towers, 7th European and African Conference on Wind Engineering (EACWE 2017) Liège, Belgium, July 4-7 2017.
- Calotescu, I., Solari, G., Wind-induced load effects on free-standing lattice towers. Proceedings, 8BBAA, Boston, Massachusetts, USA, June 7-11 2016.
- Calotescu I., Solari G., Alongwind load effects on free-standing lattice towers. Journal of Wind Engineering and Industrial Aerodynamics 155, 182-196, 2016.
- Calotescu I., Wind Loads on Structures: Software Application. Part II: Towers. Buletinul Institutului Politehnic din Iași, Tomul LXIII (LXIII), Fasc. 5, 2013.