



**Professor Viorel Ungureanu**



Dan Dubina & Viorel Ungureanu (Editors) Special Issue of Thin-Walled Structures, Vol. 61, pp 1-266, December 2012

See:

[https://www.researchgate.net/profile/Viorel\\_Ungureanu/publications](https://www.researchgate.net/profile/Viorel_Ungureanu/publications)

<https://scholar.google.com/citations?user=J06CitUAAAJ&hl=de>

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#### **Research Interests:**

Steel structures; Thin-walled cold-formed structures; Stability; Sustainability of constructions

#### **Selected Publications:**

##### **Books:**

Dubina, D., Ungureanu, V. (eds.), Proceedings of the 6th International Conference on Thin-Walled Structures: Recent Research Advances and Trends, Volume 1 + 2, 5–7 September 2011, Timisoara, Romania, ECCS, 2011.

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##### **Journal Articles:**

Dubina, D., Davies, J. M., Jiang, C., Ungureanu, V. (1996), Recent interactive buckling approaches for cold-formed thin-walled members, In: Rondal, J., Dubina, D., Gioncu, V. (Eds.), Coupled Instabilities in Metal Structures – CIMS 96, London: Imperial College Press, pp. 173-180.

Dubina, D., Ungureanu, V., Lateral-Torsional and Local Interactive Buckling of Thin-Walled Cold-Formed Beams, Rev. Roum. Sci. Techn. – Méc. Appl., 42, 5–6, pp. 467–481, 1997.

Dubina, D., Goina, D., Georgescu, M., Ungureanu, V., Zaharia, R. (1998), Recent research on stability analysis of thin-walled cold-formed steel members, Journal of Constructional Steel Research, V. 46, N. 1-3, Paper n. 103

Davies, J. M., Jiang, C., Ungureanu, V. (1998), Buckling mode interaction in cold formed steel columns and beams, in: Proceedings of the 14th International Specialty Conference on Cold Formed Steel Structures, St. Louis, Missouri, U.S.A., October 15-16, pp. 53-67

Dubina, D.; Ungureanu V. (2002), Effect of imperfections on numerical simulation of instability behaviour of cold-formed steel members, In: Thin-Walled Structures 40(3), pp. 239-262

Dubina D., Ungureanu V. (2002), Plastic strength of thin-walled members, Sixteenth Int. Specialty Conference on Cold-Formed Steel Structures, Orlando, Florida, 324-332.

Ungureanu, V., Dubina, D., Recent research advances on ECBL approach. Part I: Plastic-elastic interactive buckling of cold-formed steel sections, Thin Walled Structures, 42, 2, pp. 177–194, 2004.

Ungureanu, V., Dubina, D., Post-elastic strength and ductility of cold-formed steel sections, Proc. of the Fourth International Conference on Thin-Walled Structures, Loughborough, UK, 22-24 June 2004, pp. 283–290.

Ungureanu D.V. (2006), Light steel structures made of cold-formed steel profiles, (in Romanian), Ed. Orizonturi Universitare Timisoara

Ungureanu V, Kotelko M, Mania RJ, Dubina D (2010) Plastic mechanisms database for thin-walled cold-formed steel members in compression and bending. Thin-Walled Struct 48(10–11):818–826

Dan Dubina and Viorel Ungureanu, “Recent research advances on thin-walled structures”, Special issue of the journal, Thin-Walled Structures, Vol. 61, pp 1-266, December 2012

Crisan, A., Ungureanu, V., Dubina, D., Behaviour of cold-formed steel perforated sections in compression. Part 1 – Experimental investigations, Thin Walled Structures, 61, pp. 86–96, 2012.

Crisan, A., Ungureanu, V., Dubina, D., Behaviour of cold-formed steel perforated sections in compression. Part 2 – Numerical investigations and design considerations, Thin Walled Structures, 61, pp. 97–105, 2012.

Dubina, D., Ungureanu, V., Crisan, A., Experimental Evidence of Erosion of Critical Load in Interactive Buckling, Journal of Structural Engineering – ASCE, 139, 5, pp. 705–716, 2013.

Ungureanu, V., Dubina, D., Sensitivity to Imperfections of Perforated Pallet Rack Sections, Mechanics and Mechanical Engineering, 17, 2, 209–222, 2013.

Dubina, D., Ungureanu, V., Instability mode interaction: From Van Der Neut model to ECBL approach. Thin-Walled Structures, 81, AS4100-1990, pp. 39–49, 2014.

Viorel Ungureanu, Maria Kotelko and Jan Grudziecki, “Plastic mechanisms for thin-walled cold-formed steel members in eccentric compression”, Acta Mechanica et Automatic, Vol. 10, No. 1, 2016