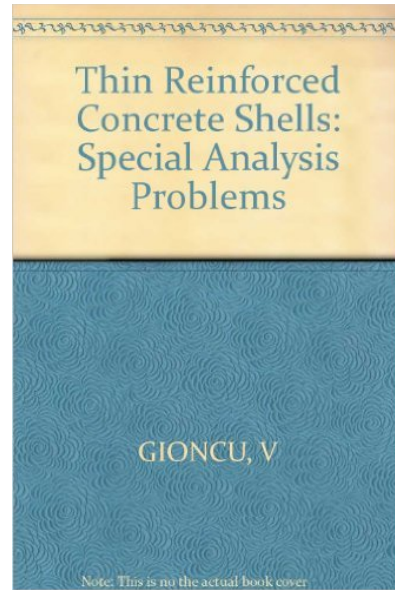




Professor Victor Gioncu (1933 – 2013)



Victor Gioncu, Thin reinforced concrete shells: special analysis problems, Wiley, 1979, 500 pages

See:

<http://prabook.com/web/person-view.html?profileId=412202>

<https://arhitectura2tm.wordpress.com/2013/04/01/respect-prof-dr-ing-victor-gioncu/>

Biography:

Victor Gioncu, Romanian engineering educator. Recipient European Convention Construction Structure award, 1997. Lieutenant Engineer corporations, Romanian Military, 1952-1955. Member Structural Stability Research Council, European Convention for Constructional Steelwork (award), Romania Academy Technology Science.

Education:

Doctor of Philosophy, Technology University, Timisoara, 1971.

Career:

Professor University Timisoara, Romania, 1952—1957. Engineer Building Trust, Arad, 1957—1958. Design engineer Design Office, 1958—1964. Researcher INCERC, Timisoara, 1964—1972, director, 1985—1994. Associate professor Technology University, 1972—1985, professor, since 1990. Consultant INCERC T, Timisoara, since 1994, Design Office, HISTRICT, since 1997.

Selected Publications:

Summary:

Author: Buckling of Thin Shells, 1978 (Romanian Academy award 1978), Thin Reinforced Concrete Shells, 1979, Postcritical Behaviour of Structures, 1983, Ductility of Seismic Resistant Steel Structures, 2002. Editor: Behaviour of Steel Structures in Seismic Areas, 1994, Seismic Resistant Steel Structures.

Books:

Victor Gioncu, Thin reinforced concrete shells: special analysis problems, Wiley, 1979, 500 pages

Victor Gioncu and Federico Mazzolani, Ductility of Seismic-Resistant Steel Structures, Spon Press, 2002

Victor Gioncu and Federico M. Mazzolani, *Earthquake Engineering for Structural Design*, Spon Press, 2011

Journal Articles:

- Gioncu, V., Ivan, M.: Coupled bifurcations in structural instability. 2nd Conf. "Metal Structures", Vol. 4, Timisoara, Romania, 1979, 33–48 (in Romanian).
- Gioncu, V.: New conceptions, trends and perspectives in the theory of postcritical behaviour of structures. The 3rd Int. Coll "Stability", Timișoara, Romania, 1982, 2–17.
- Gioncu, V., Ivan, M.: Interaction between flexural buckling and torsional-flexural in thin-walled compression members. In "Collapse: The Buckling of Structures in Theory and Practice" (ed. J.M.T. Thompson and G.W. Hunt). Cambridge University Press, Cambridge, UK, 1983, 359–374.
- Gioncu, V., Ivan, M.: Fundamentals of Structural Stability Analysis. Edit. Facia, Timisoara, Romania, 1983 (in Romanian).
- Gioncu, V., Ivan, M.: Theory of Critical and Postcritical Behaviour of Elastic Structures. Edit. Academiei, Bucuresti, Romania 1984 (in Romanian).
- Gioncu, V., Rendi, B.: Application of Catastrophes Theory in Structural Mechanics. Edit. Academiei, Bucuresti, Romania 1986 (in Romanian, in press).
- Gioncu, V., Băluțli N., Porumb, D., Rennon, N.: Instability behaviour of triangulated barrel vaults. In "Analysis, Design and Construction on Braced Barrel Vaults", ed. Z.S. Makowski, Elsevier, 1985, 159–182.
- Gioncu, V.: Stable and unstable components of the critical load. In „Post-Buckling of Elastic Structures“ (ed. J. Szabo), EUROMECH 200, Akad. Kiado, Budapest, Hungary, 1986, pp. 93–118.
- Moldovan, A., Gioncu, V.: Spatial buckling of T-section members under axial compression in steel structures. In "Recent Research Advances and their Applications to Design" (ed. N. Hajdin), 1986, 167–176
- Gioncu, V.: Coupled instabilities in thin-walled members: phenomenon, theory, practice. Report, Building Research Inst., Timișoara, Romania, 1989.
- Gioncu, V.: Coupled instabilities in bar structures: phenomenon, theory, practice. Int. Coll. "Stability of Metal Structures", SSRC, New York, USA, 1989, 357–370.
- Gioncu, V., Băluț, N., Moldovan, A., Pacoste, C., Dubinâ, D.: Theoretical and experimental research on the interaction between flexural and flexural-torsional buckling of welded T-section compression members. Int Coll. "Stability of Steel Structures", Vol. 1, Akad. Kiado, Budapest, Hungary, 1990, 77–86.
- Gioncu, V.: Towards a consistent stability theory of elastic structures. The 3rd Nat. Congress on Mechanics (ed. P.S. Theocaris), Vol. 1, Athens, Greece, 1992; 127–134.
- V. Gioncu and N. Balut, Instability behavior of single layer reticulated shells, *Int. J. Space Struct.* 7 (1992) 243-252.
- Gioncu, V., Băluț, N., Dubinâ, D., Moldovan, A., Pacoste, C.: Coupled instabilities in mono-symmetrical steel compression members. *J. Constr. Steel Research*, 21 (1–3) (1992), 71–95.
- Gioncu, V.: Consistent simplified theory for elastic coupled instabilities. *Thin-Walled Structures*, 19 (1994), 147–159.
- Gioncu, V.: Elasto-plastic buckling of compression members as a coupled instability. *Thin-Walled Structures*, 19 (1994), 221–235.
- Gioncu, V., General Theory of Coupled Instability, *Thin-Walled Structures*, Special Issue on Coupled Instability in Metal Structures, 19, 2–4, pp. 81–128, 1994.
- Gioncu, V. General theory of coupled instabilities. *Thin-Walled Struct.*, 1994, 19(2-4), 81-127.
- Rondal, J., Dubina, D., Gioncu, V. (guest editors), *Thin-walled Structures: Coupled Instabilities in Metal Structures*, *Thin-walled Structures*, 19, 2–4, and 20, 1–4, 1994.
- V. Gioncu, Buckling of reticulated shells state-of-the-art, *Int. J. Space Struct.* 10(1) (1995) 1-46
- Gioncu V., *Spatial Structures: Heritage, Present and Future*, pp. 579-586, SGEEditoriali, Padova, 1995.

Rondal, J., Dubina, D., Gioncu, V. (eds.), *Coupled Instabilities in Metal Structures - CIMS'96*, Imperial College Press, London 1996.

Ivan A., Gioncu V., *Dynamic interaction between local and general buckling in reticulated domes*, *Stability and Ductility of Steel Structures SDDS '97*, Vol. 2, pp. 1187 – 1194, Nagoya, 1997.

Ivan A., Gioncu V. and Ivan M., *Dynamic propagation of local instability for single layer reticulated domes*, *Third International Conference on Coupled Instabilities in Metal Structures CIMS' 2000*, pp. 515 – 522, Imperial College Press, Lisabona, 2000.

Mateescu, D., Gioncu, V., Dubina, D., *Timisoara Steel Structures Stability Research School: relevant contributions*, *Journal of Constructional Steel Research*. 55, 1–3, pp. 343–354, 2000.

Gioncu, V. (2003). “Stability theory: Principles and methods for design of steel structures.” *Journal of Constructional Steel Research*, 59, pp. 269–270.

Victor Gioncu, “Phenomenological modeling of Instability”, in *Phenomenological and Mathematical Modelling of Structural Instabilities*, edited by Victor Gioncu, Marcello Pignataro, 2005 CISM, Udine, Springer, ISBN-10 3-211-25292-4 (Also see “Phenomenological and Mathematical Modelling of Coupled Instabilities”, Chapter in *Coupled Instabilities in Metal Structures*, edited by Jacques Rondal, Vol. 379 of the series CISM International Centre for Mechanical Sciences, pp 85-149, 1998, DOI: 10.1007/978-3-7091-2510-6_3)

Pignataro, M., Gioncu, V. (eds.), *Phenomenological and mathematical modelling of coupled instabilities*, CISM Udine Courses and Lectures – No. 470, Springer Verlag, Wien, New York, 2005.