

**Charis J. GANTES, Ph.D.**

Professor of Structural Engineering

Institute of Steel Structures - Department of Structural Engineering - School of Civil Engineering  
National Technical University of Athens

9 Heroon Polytechniou Street, GR-157 80, Zografou Campus, Athens, Greece

tel. + 30 210 7723440 - telefax + 30 210 7723442

E-mail: [chgantes@central.ntua.gr](mailto:chgantes@central.ntua.gr), [chgantes@alum.mit.edu](mailto:chgantes@alum.mit.edu)Web: <http://users.civil.ntua.gr/chgantes/en/> - LinkedIn: [www.linkedin.com/in/CharisGantes](http://www.linkedin.com/in/CharisGantes)**SUMMARY OF ACTIVITIES IN NONLINEAR DYNAMIC STABILITY OF STRUCTURES****FUNDED RESEARCH PROJECTS**

- “Studies of dynamic instabilities and postcritical behavior of deformable systems”, INTAS cooperation with research teams from Russia, Prof. A.N. Kounadis as P.I. of the Greek side (1999-2001).
- “Dynamics of multi-degree-of-freedom and continuous mechanical systems with application to aerohydroelastic systems and smart engineering structures”, INTAS cooperation with research teams from Russia, Prof. A.N. Kounadis as P.I. of the Greek side (1996-1998).

**SUPERVISION OF DOCTORAL THESES**

- Isabella Vassilopoulou (November 2011), “Nonlinear Dynamic Response and Design of Cable Nets”  
<http://dx.doi.org/10.12681/eadd/26130>

**BOOK CHAPTERS**

- Vassilopoulou, I. and Gantes, C.J., “Nonlinear Dynamic Response of MDOF Cable Nets Estimated by Equivalent SDOF Models”, *Computational Methods in Earthquake Engineering, Computational Methods in Applied Sciences*, Vol. 30, edited by M. Papadrakakis, M. Fragiadakis and V. Plevris, Springer Verlag, pp. 345-379, 2013.  
doi: [http://dx.doi.org/10.1007/978-94-007-6573-3\\_17](http://dx.doi.org/10.1007/978-94-007-6573-3_17)

**JOURNAL PUBLICATIONS**

- Vassilopoulou, I., Petrini, F. and Gantes, C.J., “Nonlinear Dynamic Behavior of Cable Nets Subjected to Wind Loading”, *Structures*, Vol. 10, pp. 170-183, May 2017.  
doi: <http://dx.doi.org/10.1016/j.istruc.2017.03.004>
- Vassilopoulou, I. and Gantes, C.J., “Influence of a Deformable Contour Ring on the Nonlinear Dynamic Response of Cable Nets”, *Structures*, Vol. 6, pp. 146-158, May 2016.  
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- Vassilopoulou, I. and Gantes, C.J., “Nonlinear Dynamic Behavior of Saddle Form Cable Nets under Uniform Harmonic Load”, *Engineering Structures*, Vol. 33, Issue 10, pp. 2762-2771, October 2011.  
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- Kounadis, A.N., Gantes, C.J. and Raftoyiannis, I.G., “A Geometric Approach for Establishing Dynamic Buckling Loads of Autonomous Potential N-Degree-of-Freedom Systems”, *International Journal of Non-linear Mechanics*, Vol. 39, Issue 10, pp. 1635-1646, December 2004.  
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- Kounadis, A.N., Gantes, C.J. and Bolotin, V.V., “An Improved Energy Criterion for Dynamic Buckling of Imperfection Sensitive Nonconservative Systems”, *International Journal of Solids and Structures*, Vol. 38, Issues 42-43, pp. 7487-7500, October 2001.  
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- Douthe, C. and Gantes, C.J., “Investigation of Coupling between External and Parametric Resonances in Small Sagged Inclined Cables”, *CompDyn 2011: III ECCOMAS Thematic Conference on Computational Methods in Structural Dynamics and Earthquake Engineering*, Corfu, Greece, May 25-28, 2011.
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