

Structural Engineering List of Publications

Papers in Journals and Conference Proceedings with peer-reviewing system

- JC1. **Anastasiadis A.**, Mosoarca M., Petrus C., Mazzolani FM, (2015): Some thoughts for the prediction of the local inelastic capacity of MRF subjected to seismic actions. Paper No 45. Submitted to 8th STESSA Conference on Behaviour of Steel Structures in Seismic Areas. Tongji University, July 2015, China, 1443-1450.
- JC2. G.C. Manos, A. Nalmpantidou, V. Kourtides, **A. Anastasiadis**, (2015): Cyclic response of a steel beam-to-column connections – an experimental and numerical study. COMPDYN 2015 5th ECCOMAS Thematic Conference on Computational Methods in Structural Dynamics and Earthquake Engineering M. Papadrakakis, V. Papadopoulos, V. Plevris (eds.), Crete Island, Greece, 25–27 May 2015, CD, paper C791.
- JC3. Petrus C., Stoian V., Mosoarca M. , **Anastasiadis A.**, (2015): Reinforced Concrete Frames with Masonry Infills. Out of Plane Experimental Investigation. Acta Technica Napocensis: Civil Engineering & Architecture. Accepted for publication in vol. 58 number 3.
- JC4. **Anastasiadis A.**, Mosoarca M., Gioncu V. (2015): Investigation of the cyclic inelastic capacity of steel beams through the use of the plastic collapse mechanism. Bulletin of Earthquake Engineering, 13:1377-1403, DOI 10.1007/s10518-014-9665-2.
- JC5. Gioncu V., Mosoarca M., **Anastasiadis A.**, (2014): Local ductility of steel elements under near-field loading. Journal of Constructional Steel Research, Elsevier, Vol. 101, 33-52.
- JC6. Gioncu V., **Anastasiadis A.**, (2014): Plastic coupled Instabilities in wide-flange steel beams. Thin-Walled Structures, Elsevier, Vol 81, 67-77.
- JC7. Mosoarca M., **Anastasiadis A.**, Kambouris A. (2014): Are free-form architectures ecological buildings. Journal of Environmental Protection and Ecology. Vol. 14, no 1, paper 366.
- JC8. Mosoarca M., **Anastasiadis A.**, Pietrus C. (2014): Structural analysis of Synagogues from Timisoara, Romania. 9th International Conference on Structural Analysis of Historical Constructions. SACH 2014, Mexico City, 14-17 October 2014. CD, topic 11, fullpaper 001.
- JC9. **Anastasiadis A.**, Voghiatzis T., Sachpazis C. (2014): Trends and needs for the prediction of the inelastic capacity of steel members considering the differences in seismic loading conditions. 8th National Conference of Steel Structures. Tripoli, 3-5 October, Greece. CD, P021.
- JC10. Mosoarca M., Gioncu V., **Anastasiadis A.**, Petrus C., (2014): Consolidation of Historic Wood churches from Banat seismic region, Romania. Proceedings of the 2nd International Conference on Protection of Historical Constructions, PROHITECH-2014, Antalya, Turkey, 681-687.
- JC11. Mosoarca M., Gioncu V., **Anastasiadis A.**, Petrus C., (2014): Seismic failure modes developed by Romanian Orthodox Churches. Proceedings of the 2nd International Conference on Protection of Historical Constructions, PROHITECH-2014, Antalya, Turkey, 837-842.
- JC12. **Anastasiadis A.**, Mosoarca M., Mazzolani FM (2014): Cyclic and Strain rate ductility of steel beams. 7th European Conference on Steel and Composite Structures. Napoli, Italy, CD, 09-01, paper 534.

- JC13. Mosoarca M., Petrus C, Stoian V., **Anastasiadis A**, (2014): Seismic risk of buildings with RC frames and masonry infills from Timisoara, Banat region, Romania. 9th International Masonry Conference. Guimaraes, Portugal. CD, Masonry Infills and Earthquake, MIE 06.
- JC14. Kampuris A, **Anastasiadis A**, Mosoarca M, (2013): Environmental impact assessment and evaluation of road construction works in forest ecosystems. Journal of Environmental Protection and Ecology, BENA Journal. Vol. 14, no. 2, pp. 744-753.
- JC15. Gioncu V., Mosoarca M., **Anastasiadis A**, (2012): Plastic coupled Instabilities in wide-flange steel beams. Proceedings of the 6th International Conference on Coupled Instabilities in Metal Structures. Glasgow, 3-5 December 2012, pp. 127-134.
- JC16. **Anastasiadis A.**, Mosoarca M., Gioncu V. (2012) Prediction of available rotation capacity and ductility of wide-flange beams: Part 2: Applications. J of Const Steel Res 2012; 68: 176-191.
- JC17. Gioncu V., Mosoarca M., **Anastasiadis A.** (2012) Prediction of available rotation capacity and ductility of wide-flange beams: Part 1: DUCTROT-M computer program. J of Const Steel Res 2012; 69:8-19.
- JC18. **Anastasiadis A**, Mosoarca M, Gioncu V, (2012): New aspects concerning the ductility of steel members. Behaviour of Steel Structures in Seismic Areas, STESSA'2012, Chile, pp. 455-461.
- JC19. **Anastasiadis A**, Mosoarca M, Gioncu V, (2011): Local ductility of rolled steel beams using the theory of plastic collapse mechanism. EUROSTEEL 2011, August 31 - September 2, 2011, Budapest, vol B, pp. 1185-1190.
- JC20. **Anastasiadis A**, Kambouris A, (2011): Assessment of failures due to fire in technical forest constructions and schemes of repair. 15^o Hellenic Forestry Conference, 16-19 October 2011, Karditsa, Greece, (in Greek).
- JC21. **Anastasiadis A**, Mosoarca M, (2010): Vulnerability Assessment of R/C Buildings for Earthquake Insurance Purposes. Recent Advances in Risk Management, Assessment and Mitigation, RIMA' 10, 20-22 April 2010, Bucharest, Romania, pp. 126-131.
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- JC25. **Anastasiadis A.** (2006): Safety envelope of R/C structures: A proposal for drafting the Structural-ID of buildings. 15th Hellenic Conference on Reinforced Concrete Structures, October 2006, Alexandroupoli, Vol. B, pp. 46-55.

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JC37. **Anastasiadis A**, Gioncu V, Mazzolani F.M (1999): New upgrading procedures to improve the Ductility of Steel Moment-Resisting Frames. XVII Congresso, CTA, Napoli 3-5 October 1999, 193-204.

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BC1. Gioncu V, G. Mateescu, L. Tirca, **A. Anastasiadis** (2000): Influence of the type of seismic ground motions, Chapter 1.2 in “ Moment Resistant Connections of Steel Frames in Seismic Areas”, Ed. F.M. Mazzolani, E & FN London, 57-92 .

BC2. Gioncu V, G. Mateescu, D. Petcu, **A. Anastasiadis** (2000): Prediction of available ductility by means of local plastic mechanism method. DuctRot computer program. Chapter 2.1 in “ Moment Resistant Connections of Steel Buildings in Seismic Areas”, Ed. F.M. Mazzolani, E & FN London. 95-146.

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P2. **Anastasiadis A.** (2011): Behaviour and design of buckling restrained braces against earthquake actions, *Metallikes Kataskeues*, Issue 3, (in Greek) (www.metalkat.gr).

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- P19. Anastasiadis (2000): Rehabilitation of structures after an earthquake. *Ili & Ktirio*, January-February, *Special Volume dedicated to the earthquake of Athens*, Issue 47, pp. 12-35, (in Greek).
- P20. **Anastasiadis A** (2000): Report: The Athens earthquake, September 7, 1999. *INCEDE Newsletter*. Vol.9, Nub.1, April - September 2000.

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- Mosoarca M., Gioncu V., **Anastasiadis A.**, (2014): ‘Aesthetics of Structures’. Course lectures for the 1st semester of the IV academic year, electronic format, Politehnica University of Timisoara, Faculty of Architecture, (in Romanian).
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Full text of papers: Available upon request.

LIST OF CITATIONS

The Paper:

Anastasiadis A, Gioncu V, Mazzolani F.M (2000): New Trends in the Evaluation of Available ductility of Steel Members. Behaviour of Steel Structures in Seismic Areas, STESSA’2000, Montreal. Canada, 3-10.

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