

# Dimitrios S. Sophianopoulos, Ph.D., P.E.

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## PERSONAL STATEMENT

Dimitrios Sophianopoulos is a Professor of Structural Stability, Dynamics and Steel Structures at the Department of Civil Engineering, University of Thessaly, Volos, Greece. He is also the Director of the Laboratory of Strength of Materials and Micromechanics in the same Department, and the Head of the Structural Engineering Division. Prof. Sophianopoulos earned his Ph.D. in 1997 from the School of Civil Engineering of the National Technical University of Athens, Greece and his Bachelor in 1982 from the same Institution. He has published 45 papers in scholar journals and 67 refereed National and International Conference papers. With more than 400 citations in Scopus (h-index 8) and more than 650 in Google Scholar (h-index 10) Prof. Sophianopoulos is a member of the Editorial Board of 5 International Journals, and serves as a Reviewer in more than 15 high impact international Journals of his field. He is also a member of ASCE, AIAA, Structural Stability Research Council and ISCES. He has supervised two (2) completed PhDs (and 4 more in progress), and numerous Master and Bachelor Theses. His Teaching experience includes undergraduate, graduate and postgraduate courses both in his country and abroad, as a visiting Professor. For specific details concerning employment, teaching and academic achievements please see below.

## EMPLOYMENT HISTORY

5/2018– Present

**Professor | University of Thessaly, Department of Civil Engineering, Volos, Greece**

12/2013– 4/2018

**Associate Professor | University of Thessaly, Department of Civil Engineering, Volos, Greece**

10/2007– 11/2014

**Assistant Professor | University of Thessaly, Department of Civil Engineering, Volos, Greece**

10/1998– 9/2007

**Adjunct Faculty Member (Lecturer, Assistant and later Associate Professor), | University of Thessaly, Department of Civil Engineering, Volos, Greece**

1/2013 – 6/2013

**Visiting Professor, Far Eastern Federal University, Vladivostok, Russia**

2/2004– 8/2007

**Department Head, Civil Engineering Works, State Financed Works Directory, Hellenic Air Force, Ministry of Defense**

8/2003– 1/2004

**Department Head, Special Programs Division, Directory of Works, Hellenic Air Force General Staff**

9/1987–/2004

**Civil Engineer, Hellenic Air Support Command, Works – Infrastructure Division.**

3/1982– 9/1987

**Self-Employed Registered Civil Engineer**

## EDUCATION

09/1976 – 03/1982

**National Technical University of Athens, Department of Civil Engineering | Athens, Greece**

## Diploma in Civil Engineering

01/1994– 04/1997

National Technical University of Athens, Department of Civil Engineering | Athens, Greece

## Ph.D. in Civil Engineering

Thesis Title: Contribution to the Dynamic Instability of Discrete and Simple Continuous Dissipative/Non-Dissipative Systems

## AREAS of EXPERTISE (Academic and Professional)

1. Nonlinear elastic and plastic analysis of steel framed structures
2. Direct Stability Analysis of steel structures
3. Nonlinear Static and Dynamic Stability of Structures
4. Steel, Aluminum and Wood Commercial Greenhouses, Analysis and Design
5. Bridge Engineering
6. Earthquake Engineering, Analysis and Design
7. Catastrophe Theory
8. Nonlinear Dynamics
9. Masonry Structures
10. Offshore Structures (Stability and Dynamic Response)

## PUBLICATIONS in Refereed National and International Journals

1. **Kounadis, A. N.** and **Sophianopoulos, D.**, (1986): "The Effect of Axial Inertia on the Bending Eigenfrequencies of a Timoshenko Two-Bar Frame", *Earthquake Engineering and Structural Dynamics* **14**, 429 – 437.  
<http://dx.doi.org/10.1002/eqe.4290140309>
2. **Sophianopoulos, D. S.** and **Kounadis, A. N.**, (1989): "The Axial Motion Effect on the Dynamic Response of a Laterally Vibrating Frame Subject to a Moving Load", *Acta Mechanica* **79**, 277 – 294.  
<http://dx.doi.org/10.1007/BF01187267>
3. **Michaltsos, G.** and **Sophianopoulos, D. S.**, (1993): "Axial Motion Effect on Dynamic Response of Vibrating Two-Span Beam, Supported on Axially Vibrating Column", *Journal of Theoretical and Applied Mechanics*, Year XXIV, No **1**, 60 – 73.
4. **Sophianopoulos, D. S.**, **Ioannidis, S. S.** and **Ermopoulos, Ch. I.**, (1993): "Dynamic Analysis of Horizontally Stayed Bridges under Wind Loading", *Computers & Structures* **49**(4), 693 – 703.  
[http://dx.doi.org/10.1016/0045-7949\(93\)90072-L](http://dx.doi.org/10.1016/0045-7949(93)90072-L)
5. **Sophianopoulos, D. S.** and **Kounadis, A. N.**, (1994): "Dynamic Stability of Imperfect Frames under Joint Displacements", *Journal of Engineering Mechanics (ASCE)* **120**(8), 1661 – 1674.  
[http://dx.doi.org/10.1061/\(ASCE\)0733-9399\(1994\)120:8\(1661\)](http://dx.doi.org/10.1061/(ASCE)0733-9399(1994)120:8(1661))
6. **Michaltsos, G.**, **Sophianopoulos, D.** and **Kounadis, A. N.**, (1996): "The Effect of a Moving Mass and Other Parameters on the Dynamic Response of a Simply Supported Beam", *Journal of Sound and Vibration* **191**(3), 357 – 362.  
<http://dx.doi.org/10.1006/jsvi.1996.0127>
7. **Sophianopoulos, D. S.**, (1996): "Static and Dynamic Stability of a Single-Degree-of-Freedom Autonomous System with Distinct Critical Points", *Structural Engineering and Mechanics* **4**(5), 529 – 540.  
<http://dx.doi.org/10.12989/sem.1996.4.5.529>
8. **Kounadis, A. N.** and **Sophianopoulos, D. S.**, (1996): "On the Dynamic Buckling Mechanism of Single-Degree-of-Freedom Dissipative/Nondissipative Autonomous Systems", *Journal of Sound and Vibration* **193**(3), 645 – 668.  
<http://dx.doi.org/10.1006/jsvi.1996.0306>
9. **Kounadis, A. N.** and **Sophianopoulos, D. S.**, (1996): "Nonlinear Dynamic Buckling of a Cylindrical Shell Panel Model", *AIAA Journal* **34**(11), 2421 – 2428.  
<http://dx.doi.org/10.2514/3.13411>
10. **Gantes, Ch.** and **Sofianopoulos, D.**, (1997): "Nonlinear Dynamics of Simple Shell Model with Chaotic Snapping Behavior (J.M.Greer Jr. and A.N.Palazotto)", *Journal of Engineering Mechanics (ASCE)* **123**(1), 96. Discussion.  
[http://dx.doi.org/10.1061/\(ASCE\)0733-9399\(1997\)123:1\(96\)](http://dx.doi.org/10.1061/(ASCE)0733-9399(1997)123:1(96))

11. **Michaltsos, G. T., Sophianopoulos, D. S.**, (1998): "Nonlinear Dynamic Buckling of Asymmetrical Suspended Roofs under Step Loading", *Computational Mechanics* **21**, 389 – 397.  
<http://dx.doi.org/10.1007/s004660050316>
12. **Sophianopoulos, D. S.**, (1999): "Point Attractors and Dynamic Buckling of Autonomous Systems under Step Loading", *International Journal of Solids and Structures* **36**(35), 5357 – 5385.  
[http://dx.doi.org/10.1016/S0020-7683\(98\)00249-2](http://dx.doi.org/10.1016/S0020-7683(98)00249-2)
13. **Kounadis, A. N., Sophianopoulos, D. S.**, (1999): "Conditions for the Occurrence of Limit Cycles in Autonomous Potential Damped Systems", *International Journal of Non-Linear Mechanics* **34**, 949 – 966.  
[http://dx.doi.org/10.1016/S0020-7462\(98\)00068-7](http://dx.doi.org/10.1016/S0020-7462(98)00068-7)
14. **Sophianopoulos, D. S., Michaltsos, G. T.**, (1999): "Combined Torsional-Lateral Vibrations of Beams under Vehicular Loading. I: Formulation and Solution Techniques", *Facta Universitatis, Series Mechanics, Automatic Control and Robotics* **2**(9), 877 – 886.  
<http://facta.junis.ni.ac.rs/macar/macar99/macar99-05.pdf>
15. **Sophianopoulos, D. S.**, (2000): "New Phenomena Associated with the Nonlinear Dynamics and Stability of Autonomous Damped Systems under Various Types of Loading", *Structural Engineering and Mechanics* **9**(4), 397 – 416.  
<http://dx.doi.org/10.12989/sem.2000.9.4.397>
16. **Kounadis, A. N., Sophianopoulos, D. S.**, (2000): "Autonomous Weakly Damped Conservative Systems Exhibiting Limit Cycles", *Facta Universitatis, Series Mechanics, Automatic Control and Robotics* **2**(10), 1149 – 1164.  
<http://facta.junis.ni.ac.rs/macar/macar2000/macar2000-12.pdf>
17. **Sophianopoulos, D. S.**, (2001): "Nonlinear Stability of Simplified Structural Models Simulating Elastic Shell Panels of Revolution under Step Loading", *International Journal of Solids and Structures* **38**(5), 915 – 934.  
[http://dx.doi.org/10.1016/S0020-7683\(00\)00062-7](http://dx.doi.org/10.1016/S0020-7683(00)00062-7)
18. **Sophianopoulos, D. S., Michaltsos, G. T.**, (2001): "Nonlinear Stability of a Simplified Model for the Simulation of Double Suspension Roofs", *Engineering Structures* **23**(6), 705 – 714.  
[http://dx.doi.org/10.1016/S0141-0296\(00\)00072-9](http://dx.doi.org/10.1016/S0141-0296(00)00072-9)
19. **Sophianopoulos, D. S., Michaltsos, G. T.**, (2001): "The Effect of a Rotational Spring on the Global Stability Aspects of the Classical von Mises Model under Step Loading", *Computer Modeling in Engineering and Sciences (CMES)* **2**(1), 15 – 26.  
<http://dx.doi.org/10.3970/cmcs.2001.002.015>
20. **Sophianopoulos, D. S., Vakakis, A. F. and Kounadis, A. N.**, (2002): "Complex Dynamics of Perfect Discrete Systems under Partial Follower Forces", *International Journal of Non-Linear Mechanics* **37**(7), 1121 – 1138, (□□□□□□ □□□□□□ □□ □□□□: Nonlinear Dynamic Instability Phenomena).  
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21. **Sophianopoulos, D. S.**, (2003): "The Effect of Joint Flexibility on the Free Elastic Vibration Characteristics of Steel Plane Frames", *Journal of Constructional Steel Research* **59**(8), 995 – 1008.  
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22. **Sophianopoulos, D. S. and Michaltsos, G. T.**, (2003): "Analytical Treatment of In-Plane Parametrically Excited Undamped Vibrations of Simply Supported Parabolic Arches", *Journal of Vibration and Acoustics (ASME)* **125**(1), 73 – 79.  
<http://dx.doi.org/10.1115/1.1521952>
23. **Sophianopoulos, D. S. and Asteris, P. G.**, (2004): "Interpolation based numerical procedure for solving two-point nonlinear boundary value problems", *International Journal of Nonlinear Sciences and Numerical Simulation* **5** (1), 67 – 78.  
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24. **Michaltsos, G. T., Sarantithou, E., Sophianopoulos, D. S.**, (2005): "Flexural – torsional vibration of simply supported open cross-section steel beams under moving loads", *Journal of Sound and Vibration* **280** (3-5), 479 – 494.  
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25. **Asteris, P. G., Tzamtzis, A. D., Vouthouni, P. P., Sophianopoulos, D. S.** (2005): "Earthquake Resistant Design and Rehabilitation of Masonry Historical Structures", *Practice Periodical on Structural Design and Construction (ASCE)* **10** (1), 49 – 55.  
[http://dx.doi.org/10.1061/\(ASCE\)1084-0680\(2005\)10:1\(49\)](http://dx.doi.org/10.1061/(ASCE)1084-0680(2005)10:1(49))
26. **Sophianopoulos, D. S., Asteris, P. G., Athanasiadou, D.** (2006): "Effect of thermal induced residual stresses on the elastoplastic behavior and strength of non-slender I-profile steel

members", *Technica Chronica*, Scientific Publications of the Technical Chamber of Greece, Vol **1-2**, 37 – 50.

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27. **Sophianopoulos, D. S.**, (2007): "Bifurcations and Catastrophes of a Two-Degrees-Of-Freedom Nonlinear Model Simulating the Buckling and Postbuckling of Rectangular Plates", *Journal of the Franklin Institute* **344** (5), 463 – 488.  
<http://dx.doi.org/10.1016/j.jfranklin.2006.02.012>
  28. **Sophianopoulos, D. S., Asteris, P. G.**, (2006): "Numerical Method for the Undamped Forced Dynamics of Steel Cable Network Structures", *Structural Engineering and Mechanics* **23** (4), 449 – 454.  
<http://technopress.kaist.ac.kr/?page=container&journal=sem&volume=23&num=4#>
  29. **Sophianopoulos, D. S., Asteris, P. G. and Michaltsos, G.T.** (2005): "Equilibrium based evaluation of stress distribution under steel column base plates. I: Governing Equations", *Electronic Journal of Structural Engineering* **5**, 43 – 54 ([www.ejse.org](http://www.ejse.org)).  
<http://www.ejse.org/Archives/Fulltext/2005/200504.pdf>
  30. **Sophianopoulos, D. S.** (2008): "Towards Successful Design in Structural Steel", *Technica Chronica*, Scientific Publications of the Technical Chamber of Greece, □, Vol. **1**, 21-29.  
[http://portal.tee.gr/portal/page/portal/PUBLICATIONS/SCIENTIFIC\\_PUBLICATIONS/SEIRA\\_I/ETOS\\_2006/tefhosA/03.pdf](http://portal.tee.gr/portal/page/portal/PUBLICATIONS/SCIENTIFIC_PUBLICATIONS/SEIRA_I/ETOS_2006/tefhosA/03.pdf)
  31. **Sophianopoulos, D. S., Michaltsos, G. T., Kounadis, A. N.** (2008): "The effect of infinitesimal damping on the dynamic instability mechanism of conservative systems", invited paper, *Mathematical Problems in Engineering*, Special Issue on "Uncertainties in Nonlinear Structural Dynamics", Volume 2008, **Article ID 471080**, 25 pages.  
<http://dx.doi.org/10.1155/2008/471080>
  32. **D. S. Sophianopoulos, S. Katsamagou, N. Kefou** (2010): "Modal Dynamics Approximations of cantilevers under partial follower load", *International Journal of Structural Stability and Dynamics* **10** (5), 1055 – 1082.  
<http://dx.doi.org/10.1142/S0219455410003890>
  33. **Asteris P. G., Antoniou, S. T., Sophianopoulos, D. S., Chrysostomou, Ch. Z.** (2011): "Mathematical Macromodelling of Infilled Frames: State-of-the-Art", *Journal of Structural Engineering (ASCE)* **137** (12), 1058 – 1517.  
[http://dx.doi.org/10.1061/\[ASCE\]ST.1943-541X.0000384](http://dx.doi.org/10.1061/[ASCE]ST.1943-541X.0000384)
  34. **Sophianopoulos, D. S., Deri, A. E.** (2011): "Parameters affecting response and design of steel moment frame reduced beam section connections: An Overview", *International Journal of Steel Structures* **10**(2), 133 – 144.  
<http://dx.doi.org/10.1007/s13296-011-2003-5>
  35. **Sophianopoulos, D. S., Papachristou, K. S.** (2012): "In-plane stability of uniform steel beam – columns on a Pasternak foundation with zero end-shortening", *Archive of Applied Mechanics*, **82** (10-11), 1653 – 1662, special issue.  
<http://dx.doi.org/10.1007/s00419-012-0664-y>
  36. **Giannakopoulos, A.E., Petridis, S., Sophianopoulos, D. S.** (2012): "Dipolar Gradient Elasticity of Cables", *International Journal of Solids and Structures* **49**(10), 1259 – 1265.  
<http://dx.doi.org/10.1016/j.ijsolstr.2012.02.008>
  37. **Dova, E., Katsoulas, N., Kittas, C. and Sophianopoulos, D.** (2012): "Differences in Required Structural Efficiency of Standard Commercial Steel Greenhouses among EU Countries: A Hellenic Experience", *Acta Horticulturae* **927**, 695 – 701.  
<https://doi.org/10.17660/ActaHortic.2012.927.86>
  38. **Sophianopoulos, D.S.** (2013): "Stability Analysis of a Single-Degree-of-Freedom Mechanical Model with Distinct Critical Points: I. Bifurcation Theory Approach", *World Journal of Mechanics* **3**, 62 – 81.  
<http://dx.doi.org/10.4236/wjm.2013.31005>
  39. **Papachristou, K.S., Sophianopoulos, D.S.** (2013): "Buckling of Beams on Elastic Foundation Considering Discontinuous (Unbonded) Contact", *International Journal of Mechanics and Applications* **3**(1), 4 – 12.  
<http://article.sapub.org/10.5923.j.mechanics.20130301.02.html>
  40. **Sophianopoulos, D.** (2013): "Rain-Wind Induced Vibrations in Stay Cables: Response Characteristics, Excitation Mechanisms and Modelling", *International Journal of Bridge Engineering* **1**(1), 29 – 36.  
[http://www.ijbe.net/issues/item/download/14\\_ecfacdfbca239b4d8a63b90dead9f8e9](http://www.ijbe.net/issues/item/download/14_ecfacdfbca239b4d8a63b90dead9f8e9)

41. **Sophianopoulos, D., Pantazi, V.** (2015): "Stability Analysis of a SDOF Mechanical Model with Distinct Critical Points: II. Catastrophe Theory Approach", World Journal of Mechanics **5**(12), 266 – 273.  
<http://dx.doi.org/10.4236/wjm.2015.512025>
42. **Sophianopoulos, D. S., Deri, A. E.** (2017): "Steel Beam-to-Column RBS Connections with European Profiles: I. Static Optimization", Journal of Constructional Steel Research **139C**, 101 – 109.  
<https://doi.org/10.1016/j.jcsr.2017.09.028>
43. **Pantazi, V., Sophianopoulos, D. S.** (2018): "Unstable In-Plane Buckling Configurations of Beams on Elastic Unilateral Subgrade via Catastrophe Theory", International Journal of Mechanics and Applications **8**(1), 1 – 9. <http://article.sapub.org/10.5923.j.mechanics.20180801.01.html>.
44. **Ntina, M., Sophianopoulos, D. S.** (2018): "A New Rate-Dependent Constitutive Model of Superelastic Shape Memory Alloys and its Simple Application in a Special Truss Moment Frame Simulation", Advances in Civil Engineering, Volume 2018, Article ID 1634702, 10 pages.  
<https://doi.org/10.1155/2018/1634702>.
45. **Sophianopoulos, D. S., Deri, A. E.** (2019): "Steel Beam-to-Column RBS Connections: FEM Analysis under Cyclic Loading", World Journal of Mechanics **9**, 17 – 28, paper ID 4900568.  
[10.4236/wjm.2019.92002](http://www.iiste.org/journals/index.php/WJM/article/view/4900568)
46. **Sophianopoulos, D. S.** (2019): Discussion on "Seismic instability of free-standing statues atop multispandyle columns: A heuristic very stable system of ancient technology", by A.N. Kounadiis [Soil Dyn Earthq Eng 119 (2019) 253–264], Soil Dynamics and Earthquake Engineering.  
<https://doi.org/10.1016/j.soildyn.2019.02.025>
47. **Sophianopoulos, D. S., Michaltsos, G. T. and Cholevas, H. I.** (2019): "Static and dynamic responses of suspended arch bridges due to failure of cables", Archive of Applied Mechanics  
<https://doi.org/10.1007/s00419-019-01576-3>
48. **Sophianopoulos, D. S., Pantazi, V. S., Ntina, M.** (2019): "Marine Corrosion of Steel with Aerobic and Anaerobic Biofilms and Changeable Nutrient Concentration Conditions", Architecture and Design Review **1**(2), 1 – 9. <https://doi.org/10.18282/adr.v1i2.551>

#### **PUBLICATIONS in Refereed National and International Conference Proceedings**

1. **Michaltsos, G. T., Sofianopoulos, D. S.**, "Elastic Stability of a Ring-Shaped Joint Subject to a Moment", Proceedings of the 1<sup>st</sup> National Conference on Steel Structures (A.N. Kounadis editor), Athens, Greece, June 6-7, 1991, pp. 177 – 187.
2. **Sophianopoulos, D. S. and Kounadis, A. N.**, "Nonlinear Dynamic Stability of a Geometrically Imperfect Frame Under Dynamic Axial Displacement of its Joint", Proceedings of the Polish – German – Greek Symposium on Dynamics and Stability of Continua (R. Bogacz – A.N. Kounadis and O. Mahrenholtz eds.), Pultusk, Poland, September 2 –7, 1991.
3. **Michaltsos, G. T., Sofianopoulos, D. S. and Petrovits, N. E.**, "The Effect of Shear Deformation on the Lateral-Torsional Buckling of Thin-Walled Steel Members", Proceedings of the 1<sup>st</sup> European Conference on Steel Structures, Eurosteel 95 (A.N. Kounadis editor), Athens, Greece, May 18-20, 1995, pp. 63 – 71.
4. **Ermopoulos, J. Ch., Vayas, I., Petrovits, N. E., Sofianopoulos, D. S. and Spanos, Ch.**, "Cyclic Behaviour of Composite Beam-To-Column Bolted Joints", Proceedings of the 1<sup>st</sup> European Conference on Steel Structures, Eurosteel 95 (A.N. Kounadis editor), Athens, Greece, May 18-20, 1995, pp. 205 – 210.
5. **Kounadis, A. N. and Sophianopoulos, D. S.**, "Dynamics of a Dissipative Cantilever-Model Under Partial Follower Load", Proceedings of the 4<sup>th</sup> Greek National Congress on Mechanics (P.S.Theocharis, E.E.Gdoutos eds.), Xanthi, Greece, June 26-29, 1995, Vol. I, pp. 712 – 726.
6. **Kounadis, A. N. and Sophianopoulos, D. S.**, "Nonlinear Dynamic Buckling of a Cylindrical Shell Panel Model", Proceedings of the 3<sup>rd</sup> European Conference on Structural Dynamics, Eurodyn '96, (G.Augusti, C.Borri and P.Spinelli eds.), Florence, Italy, June 5-8, 1996, pp. 671 – 679.
7. **Sophianopoulos, D. S. and Michaltsos, G. T.**, "Non-Linear Dynamic Buckling of Suspended Roofs Under Step Loading", Proceedings of the 2<sup>nd</sup> National Congress on Computational Mechanics (D.A. Sotiropoulos, D.E. Beskos eds.), Chania, Crete, Greece, June 26-28, 1996, pp.74 – 81.
8. **Michaltsos, G. T., Ermopoulos, I. C., Sophianopoulos, D. S.**, "Modeling of the Nonlinear Response of a Spherical Shell", Proceedings of the 2<sup>nd</sup> International Conference on Coupled Instabilities in Metal Structures (J.Rondal, D.Dubina and V.Gioncu eds.), Liege, Belgium, September 5-7, 1996, pp. 491 – 498.

9. **Kounadis, A. N.** and **Sophianopoulos, D. S.**, "On a Series of Dynamic Bifurcations in Nonconservative Dissipative Systems for Various Levels of a Follower Load", in Solid Mechanics, Scientific Meetings of the Serbian Academy of Sciences and Arts, Vol. LXXVII, Department of Technical Sciences, Book 3, Belgrade 1997, pp. 107 – 117.
10. **Michaltsos, G. T.**, **Sophianopoulos, D. S.**, **Konstandakopoulos, T. G.**, "Buckling and Postbuckling Analysis of a Low Parabolic Arch", Proceedings of the Structural Stability Research Council 1997 Annual Technical Session and Meeting, Toronto, Ontario, Canada, June 9-11, 1997, pp. 115 – 126.
11. **Michaltsos, G. T.**, **Sophianopoulos, D. S.** and **Konstandakopoulos, T. G.**, "Non-Linear Buckling Response of a Conical Shell Panel", in Advances in Finite Element Procedures and Techniques, Civil-Comp Press, Edinburgh, 1998 (B.H.V.Topping editor), pp. 239 – 246.
12. **Kounadis, A. N.** and **Sophianopoulos, D. S.**, "Conditions for the Occurrence of Limit Cycles in Autonomous Potential Damped Systems", Proceedings of the 5<sup>th</sup> National Congress on Mechanics (P.S.Theocaris, D.I.Fotiadis, C.V.Massalas eds.), Ioannina, Greece, August 1998, Vol.2, pp. 1066 – 1078.
13. **Michaltsos, G. T.**, **Sophianopoulos, D. S.** and **Konstandakopoulos, T. G.**, "Non-Linear Dynamic Buckling of Suspended Roofs on Elastic Supports Under Step Loading", Proceedings of the 5<sup>th</sup> National Congress on Mechanics (P.S.Theocaris, D.I.Fotiadis, C.V.Massalas eds.), Ioannina, Greece, August 1998, Vol.2, pp. 1079 – 1087.
14. **Sbarounis†, A. D.**, **Sophianopoulos, D. S.**, **Michaltsos, G. T.**, "Inelastic Analysis of Beam-Columns", Proceedings of the 3<sup>rd</sup> National Conference on Steel Structures (K.T. Thomopoulos, C.C. Baniotopoulos, A.V. Avdelas eds.), Thessaloniki, Greece, October 30-31, 1998, pp. 118 – 125.
15. **Sophianopoulos, D. S.**, **Kokkinis, V.**, "Static and Dynamic Stability of Beck's Column Under Partial Follower Loading", Proceedings of the 4<sup>th</sup> European Conference on Structural Dynamics, Eurodyn '99, (L.Fryba, J.Naprstec eds.), Prague, Czech Republic, June 7-10, 1999, pp. 399-404.
16. **Michaltsos, G. T.**, **Sophianopoulos, D. S.**, "Nonlinear Dynamic Stability of 3-D.O.F. Imperfect Damped System Under Step Loading", Proceedings of the 3<sup>rd</sup> National Congress on Computational Mechanics, Volos, Greece, June 24-26, 1999, pp. 273 – 280.
17. **Sophianopoulos, D. S.**, "Bifurcations, Point Attractors and Chaotic Behavior of Perfect Dissipative Systems under Partial Follower Loading", Proceedings of the 1<sup>st</sup> International Conference on Advances in Structural Engineering and Mechanics, Seoul, Korea, August 23-25, 1999, Vol.1, pp. 701 – 707.
18. **Sophianopoulos, D. S.** and **Michaltsos, G. T.**, "The Effect of a Rotational Spring on the Global Stability Aspects of the Classical von Mises Model under Step Loading", Proceedings of ICES'2K, International Conference on Computational Engineering & Sciences, (S.N.Atluri, F.W.Brust eds.), Los Angeles, USA, August 21-25, 2000, Vol.II, pp. 1846 – 1851.
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