

VASSILIOS I. SOULIS

HOME ADDRESS:

Amarousion, Greece

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DATE OF BIRTH:

1975

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EDUCATION:

2001-2009

Phd. in Civil Engineering , School of Civil Engineering,
Aristotle University of Thessaloniki, Greece

Dissertation Title : Investigation of the numerical simulation of
masonry infilled R/C frame structures under seismic type
loading.

1997-1998

M.Sc in Structural Engineering, School of Civil Engineering,
University of Surrey, Great Britain

Thesis Title: The design and study of the seismic response of a
4-storey R/C and 4-storey composite building.

1994-1997

B.Eng(Hons) in Civil Engineering, School of Civil Engineering,
University of Portsmouth, Great Britain

1987-1993

High School. American College of Thessaloniki, "ANATOLIA" .

PROFESSIONAL EXPERIENCE:

- 1998-1999** Supervisor Engineer in the construction of luxury apartments at the area of Panorama, Thessaloniki, Greece
- 1999-2000** Military service: Corps of Engineers, Xanthi, Greece
- 2003-2004** Supervisor Engineer in the construction of luxury apartments at the area of Trilofos, Thessaloniki, Greece
- 2003-** Athens Water Supply and Sewerage Company
Division of Raw Water Intake
Department of Mornos-Evinos Aqueduct
Supervisor Engineer:
a) Maintenance works in the aqueducts, reservoirs and in the facilities of the external water transfer system of Athens Water Supply and Sewerage Company.
b) Assessment of the geotechnical behavior of Evinos and Mornos Dams, instrumental monitoring.

PROFESSIONAL QUALIFICATIONS & ACCREDITATIONS:

- 1999** Professional Accreditation as Civil Engineer, Technical Chamber of Greece.

TEACHING EXPERIENCE:

- 31/10/2001-** Instructor in the 1st Institute of Professional Qualification of
31/12/2001 Thessaloniki, Greece.
Course: General Structural Engineering
- 11/3/2002-** Laboratory Teaching Assistant, School of Civil Engineering,
30/6/2002 Aristotle University of Thessaloniki, Greece.
- 4/11/2005-** Laboratory Teaching Assistant, School of Civil Engineering,
28/2/2006 Aristotle University of Thessaloniki, Greece.

RESEARCH EXPERIENCE:

- Research Program**
069
1/12/2001-30/11/2002
Title: “Numerical simulations, analysis, elaboration of results, flow inside channels with elastic boundaries, Democritus University of Thrace, Technical Chamber of Greece”.
- Research Program**
1099
1/11/2002-31/10/2003
Title: “Flow and transfer, numerical simulations and analysis in hydraulic problems of flow and transfer, Democritus University of Thrace, Technical Chamber of Greece”.
- Research Program**
1130
1/4/2003-1/4/2004
Title:” Interaction between fluid and solid under the simultaneous change of velocity and pressure, Democritus University of Thrace, Technical Chamber of Greece”.
- Research Program**
20691
1/1/2002-31/3/2004
Title: "EUROSEIS-RISK: Seismic Hazard Assessment site Effects and Soil Structure Interaction Studies in an Instrumented Basin, European Project”.
- Research Program**
20412 **11/3/2002-**
31/3/2004
Title: “Investigation of the influence of joints in the behavior of historic monuments of the classic and Hellenistic period in the case of earthquake- Proposed methods of restoration, Agency Earthquake Planning and Protection Organisation (EPPO) Project”.
- Research Program**
85595 **14/5/2010-**
25/2/2011
Title: “Investigation of the behavior of wall paneled R/C frames in buildings with “pilotis” structural configuration under cyclic seismic type loading-Examination of the connection between the panels and the structural elements of the R/C frames retrofitted with insitu concrete jackets, Agency Earthquake Planning and Protection Organisation (EPPO) Project”.

LANGUAGE AND COMPUTER SKILLS:

- Language:** English, Some Spanish.
- Computer Skills:** Microsoft Windows 95, 98,2000,XP, Vista, Microsoft Office, Internet Explorer, Adobe Reader-Photoshop, Corel Draw, Autocad 13, 14, 2000, 2006, 2007, Lusas 13.2-13.7 MscNastran, Static 3, Faastrac, Staad III 21.1, Rccola, Anadoxos, Next, FESPA, Labview 5, Sap 2000 8 Nonlinear, Abaqus, Geo5.
- Programming:** Microsoft Fortran PowerStation, Formian, Basic.
- Operating systems:** Microsoft Windows, MS-DOS.

PUBLICATIONS

A. INTERNATIONAL CONFERENCES:

- [1] G.C Manos, V.J.Soulis, V. Kourtides, Gr. G. Penelis, "Investigation of the bearing and modes of failure of the metal scaffolding subjected to vertical compression", Proceedings of the International Conference on Nonsmooth/Nonconvex Mechanics with Applications in Engineering, Thessaloniki, Greece, July 2002,457-464
- [2] G.C Manos, L. Papas, V. Soulis, A. Diagouma, "Preliminary Numerical Study of Byzantine churches – The church of the Assumption of the Mother of God at Zervati" , Proceedings of the Sixth International Masonry Conference, Stoke on Trent, United Kingdom, Nov 2002
- [3] G.C. Manos, V Kourtides, V J Soulis,L Tsakmakides, "Experimental and Numerical Investigation of the Sliding Behaviour of Rigid Blocks Subjected to Cyclic Shear Loads", Proceedings of the Sixth International Masonry Conference, Stoke on Trent, United Kingdom, Nov 2002
- [4] George C. Manos, Vassilios Soulis, Jafar, Thawabteh," Numerical investigation of mortar-joint modes of in-plane failure utilizing unreinforced masonry assemblages", 9th American Masonry Conference, Clemson, South Carolina, USA, June 2003, 767-778
- [5] G.C.Manos, L. Papas, V.J. Soulis, A. Diagouma, " Numerical simulation of the behavior of Byzantine churches under gravitational and seismic actions", STREMAH VIII, WIT, Halkidiki, Greece, June 2003, 513-522
- [6] G.C. Manos, V.J.Soulis, Y. Yehya, L. Papas, A. Diagouma, "Preliminary numerical investigation of the dynamic characteristics of historic monuments", 10th International Conference for Building & Construction, Cairo, Egypt, June 2003, 226-235
- [7] G.C. Manos, V.J.Soulis, V. Kourtides, Gr. G. Penelis, "Bearing capacity and modes of buckling failure of the metal scaffolding subjected to vertical compression", 10th International Conference for Building & Construction, Cairo, Egypt, June 2003, 624-633
- [8] G.C. Manos, V.J.Soulis, J. Thawabteh, "Non-linear numerical

- simulation of the mortar joints' failure mechanism utilizing unreinforced masonry assemblages", Sixth International Symposium on Computer Methods in Structural Masonry, Rome, Italy, Sept 2003,89-97
- [9] G.C.Manos, V.J. Soulis, L. Papas, A. Diagouma, "Preliminary numerical investigation of the dynamic characteristics of historical monuments", Sixth International Symposium on Computer Methods in Structural Masonry, Rome, Italy, Sept 2003, 117-125
- [10] George C. Manos, Vassilios Soulis, "Upgrading the seismic behavior of the interior water supporting system of a cooling tower", 8th World Seminar on Seismic Isolation, Energy Dissipation and Active Vibration Control of Structures, Yerevan, Armenia, Oct 2003, 662-673
- [11] G.C Manos, V.J Soulis, A Diagouma, "Preliminary numerical investigation of the dynamic characteristics of historic monuments", 13th World Conference on Earthquake Engineering, Vancouver, B.C., Canada, August 1-6, 2004
- [12] G.C. Manos, V. Kourtides, B. Yasin, V.J. Soulis, "Dynamic and earthquake response of model structures at the Volvi – Greece European Test Site", 13th World Conference on Earthquake Engineering ,Vancouver, B.C., Canada, August 1-6, 2004
- [13] G.C. Manos, V. Kourtides, V.J.Soulis, "The dynamic and earthquake response of bridge pier model at the Volvi European test site", E.R.E.S V, WIT, 2005 , 417-427
- [14] G.C. Manos, V. Kourtides, V.J.Soulis, " Experimental and numerical investigation of the sliding behavior of a set of two rigid blocks subjected to cyclic shear type loads", Computer Methods and Experimental Measurements for Surface Effects and Contact Mechanics VII, WIT, 2005,331-341
- [15] Manos, G., Kourtidis, V., Soulis, V., Sextos, A., Renault, P. and Yassin, B., 'Numerical and experimental soil-structure-interaction of a bridge pier model at the Volvi-Greece European Test Site', 6th European Conference on Structural Dynamics, Eurodyn 2005, Paris, II, 1335-1340.
- [16] G.C. Manos, J.Thauabteh, V.J. Soulis, "Evaluation of Masonry RC Frame Numerical Model under Cyclic Loading", Proceedings of the Seventh International Masonry Conference, London, United Kingdom, London, Nov 2006
- [17] G.C. Manos, V. Kourtides, V.J. Soulis, L Tsakmakides, "Experimental and Numerical Investigation of the Sliding Behavior of Rigid Blocks Subjected to cyclic shear Loads", Proceedings of the Seventh International Masonry Conference, London, United Kingdom, Nov 2006
- [18] Manos, G.C., Kourtides, V., Soulis, V., Sextos, A. and Renault, P. 'Study of the dynamic response of a bridge pier model structure at the Volvi - Greece European Test Site', 8th National Conference on Earthquake Engineering, San Francisco, CA,(2006).
- [19] Manos G, Soulis V, Felekidou O, "Numerical Simulation of the Dynamic and Earthquake Behaviour of Greek Post-Byzantine Churches", 14th World Conference on Earthquake Engineering, Beijing, China, Oct 2008

- [20] G.C.Manos, V. Soulis, N. Karamitsios, O. Felekidou, “ Numerical simulation of the dynamic and earthquake behaviour of Greek post-Byzantine churches with and without base isolation”, Proceedings of the international conference on protection of historical buildings, Prohitech 2009, Rome, Italy, 21-24 June 2009, 705-710.
- [21] G.C. Manos, V.J. Soulis, O. Felekidou, A. Koutsianou, P. Lipiridou, ” The dynamic and earthquake response of a Greek post Byzantine Basilicas”, 2nd International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering, Rhodes, Greece, 22-24 June 2009
- [22] Angelopoulos A., Soulis V.J., Malandraki V, “ Geological and geotechnical behaviour of Evinos dam following the impoundment”, 12th International Congress of the Geological Society of Greece, Patra, Greece, 19-22 May 2010.
- [23] G.C. Manos, V.J. Soulis, O. Felekidou, V. Matsou, “ A numerical investigation of the dynamic and earthquake behavior of Byzantine and Post-Byzantine Basilicas”, 9th US and 10th Canadian Conference on Earthquake Engineering: Reaching Beyond Borders”, Toronto, Canada, 25-29 July 2010.

B. INTERNATIONAL JOURNALS:

- [1] G.C.Manos, V.J.Soulis, A. Diagouma, “Numerical investigation of the behaviour of the church of Agia Triada, Drakotrypa, Greece”, Elsevier, Advances in Engineering Software 39(2008), 284-300

C.HELLENIC CONFERENCES AND JOURNALS:

- [1] Γ. Μάνος, Ε. Τσακμακίδης, Ν. Μουρούζης, Χ. Παπαδάκης, Μ. Δημοσθένους, Β. Σούλης, “Η ανακυκλιζόμενη συμπεριφορά πόλου - εμπολείου, ως συνδέσμου σφονδύλων αρχαίων κίωνων που υφίστανται ολισθήσεις από σεισμικές διεγέρσεις”, 1^ο Πανελλήνιο συνέδριο αναστυλώσεων, ΕΤΕΠΑΜ, Θεσσαλονίκη, 14 – 17 Ιουνίου 2006
- [2] Γ. Μάνος, Β. Σούλης, Α. Διαγουμά, Λ. Παππάς, “Αριθμητική διερεύνηση της σεισμικής απόκρισης εκκλησιών Βυζαντινού ή Μεταβυζαντινού ρυθμού”, 1^ο Πανελλήνιο συνέδριο αναστυλώσεων, ΕΤΕΠΑΜ, Θεσσαλονίκη, 14 – 17 Ιουνίου 2006
- [3] Μάνος Γ. Χ, Κουρτίδης Β, Σούλης Β. Ι, Σέξτος Α, “ Πειραματική και αναλυτική μελέτη της δυναμικής συμπεριφοράς ομοιώματος μεσόβαθρου γεφυρών Ο/Σ στο πεδίο δοκιμών Euroseis-Test στη Βόλβη ”, 15^ο Συνέδριο Σκυροδέματος, Αλεξανδρούπολη, 25-27 Οκτ 2006, 42-53
- [4] Μάνος Γ. Χ, Σούλης Β. Ι, Θαουάμπτα Τ. “ Αποτίμηση της αριθμητικής προσομοίωσης τοιχοπληρωμένων πλαισίων Ο/Σ υπό οριζόντιο ανακυκλιζόμενο φορτίο”, 15^ο Συνέδριο Σκυροδέματος, Αλεξανδρούπολη, 25-27 Οκτ 2006, 54-65
- [5] Γεώργιος Χ. Μάνος, Βασίλειος Ι. Σούλης , Τζαφάρ Θαουάμπτα, “Αποτίμηση της αριθμητικής προσομοίωση τοιχοπληρωμένων πλαισίων Ο/Σ υπό οριζόντιο ανακυκλιζόμενο φορτίο- διερεύνηση της

- επιρροής του περιμετρικού αρμού”, 3^ο Πανελλήνιο Συνέδριο Αντισεισμικής Μηχανικής, Αθήνα, Νοέμβριος 2008.
- [6] Αντώνης Αγγελόπουλος, Βασιλική Μαλανδράκη, Βασίλειος Σούλης, “Ενόργανη γεωλογική και γεωτεχνική παρακολούθηση του ταμιευτήρα Ευήνου κατά την 4^η περίοδο κατάκλισης”, 1^ο Συνέδριο Ε.ΥΔ.Α.Π, Αθήνα, Μάρτιος 2009.
- [7] Γεώργιος Χ. Μάνος, Βασίλειος Ι. Σούλης, Τζαφάρ Θαουάμππα, ”Αριθμητική Διερεύνηση της Επιρροής του Περιμετρικού Αρμού σε Τοιχοπληρωμένα Πλαισίων Ο/Σ υπό Οριζόντιο Ανακυκλιζόμενο Φορτίο”, 16^ο Συνέδριο Σκυροδέματος, Πάφος, Κύπρος, 21-23 Οκτ 2009.
- [8] Μαλανδράκη, Β., Αγγελόπουλος, Α., Σούλης, Β. Ι., Αγγελίδης, Χ., “ Η Συμπεριφορά του Φράγματος του Ευήνου” , 6^ο Πανελλήνιο συνέδριο γεωτεχνικής και γεωπεριβαλλοντικής μηχανικής, Βόλος, 29 Σεπτεμβρίου- 1 Οκτωβρίου 2010.

D. Participation in Books:

- Title in Greek** Αφιέρωμα στη μνήμη του Καθηγητή “Ανθιμου Μπαντέλλα”, ISBN 96-343-727-1
- [1] G.C Manos, V.J. Soulis, V Kourtides, Gr.G. Penelis, “Experimental and numerical investigation of the bearing capacity and modes of buckling failure of a metal scaffolding subjected to vertical compression” Αφοί Κυριακίδη, Θεσ/νίκη 2003, 357-365