

Π Ε Ρ Ι Ε Χ Ο Μ Ε Ν Α

• ΕΠΙΣΤΗΜΟΝΙΚΕΣ ΕΡΓΑΣΙΕΣ (Επιλογή)

- 1.- «Etudes de Composition des Bétons», Béton – Armé, Paris, Fevrier 1957.
- 2.- «Εργοστάσιον παραγωγής προχύτων εξ ωπλισμένου σκυροδέματος», Τεχν. Χρονικά, Νοέμβριος 1957.
- 3.- «Tables et Abaques pour le calcul du béton précontraint», Précontrainte – Prestressing Bruxelles, Juin 1958.
- 4.- «Η Λεπτή Θηραϊκή γη ως πρόσμιγμα των σκυροδεμάτων», Τεχν. Χρονικά, 409-410, 1958, (με Α. Καλογεράν).
- 5.- «Corrosion sous contrainte etc. des aciers de la précontrainte», IVe Congrès de la FIP, Mai 1962.
- 6.- «Comportamento di un palo di fondazione sotto l' azione de carichi verticali ed orizzontali», Geotecnica, no 1/1963.
- 7.- «Analyse mathématique des contraintes développées près des fissures profondes dans le béton-armé», Béton – Armé, Paris, Octobre 1963.
- 8.- «Reseau d' écoulement à travers un forage injecté et contraintes correspondantes à la fin de l' injection», Houille – Blanche, 8, 1964.
- 9.- «Dalles doublement précontraintes», Annales de l' Institut du Bâtiment et des Travaux, Paris, No 1967 (avec P. Achimastos).
- 10.- «A new non – destructive method for concrete's strength determination», Scient. Publ. No 21/1970, Nat. Tech. University, Athens (w. K. Demiris).
- 11.- «A contribution to the gamma-radiography of reinforced concrete», Materials and Structures, March-April 1971.
- 12.- «Strength and deformability of sands under various conditions», Proceedings of the 7th Conference on Soil Mechanics and Foundation Engineering, Moscow, 1973, (w. V. Sotiropoulos).
- 13.- «Efforts répétitifs horizontaux sur pieux verticaux», Annales de l' ITBTP, Paris, Mars 1974, (avec E. Levendis).
- 14.- «Penetration testing in Greece», ESOPT – Stockholm, June 1974. (w. A. G. Anagnostopoulos).
- 15.- «Pathologie des armatures de deux stations de pompage en Béton – Armé», AICP – FIP – CEB – IASS Symposium, Liege, 1975, (avec G. Plakas).
- 16.- «Rheology of fresh concrete», Materials and Structures, March – April, 1976, (w. A. M. Neville).
- 17.- «Interaction of theory and testing in situ», (a State-of-the-Art Report), RILEM Symposium: In situ testing of Concrete Structures, Budapest, 1977.
- 18.- «Elastic Plastic Slabs on Elastic Foundation», Journal ASCE, Structural Division, April 1978 (w. G. Gazetas).
- 19.- «Serviceability and ultimate limit-states of large panels' connections under static and dynamic loading», Proc. RILEM-CEB-CIB Symposium on Joints of Precast Elements, Athens, 1978 (w. S. Tsoukantas).
- 20.- «Requirements for Light Structural Weight of Concrete Hulls», Proc. 8th Congress FIP, London 1978.

- 21.- «Lignite fly ash as an additive of cements and concretes», (invited paper, Symposium on Use of Pozzolans, Mexico, March 1981 (w. C. Economou).
- 22.- «Analytical studies on R. C. members under cyclic loading based on bond stress-slip relationships», ACI Journal, May-June 1981 (w. P. Yannopoulos).
- 23.- «Repair and strengthening of structures and monuments against earthquakes», (an invited General Report), 7th European Conference on Earthquake Engineering, Athens 20-25/9/82.
- 24.- «Physical and mathematical models for redesign of damaged Structures», IABSE Symposium on Strengthening of building structure diagnosis and therapy, Venice, 29-30/9/83.
- 25.- «Μοντέλο μεταφοράς τέμνουσας σε ρωγμές ωπλισμένου σκυροδέματος», 6ο Ελληνικό Συνέδριο Σκυροδέματος, Γιάννενα, 1983, (με Α. Σκάρπα).
- 26.- «Local bond-slip relationship by means of moiré method», ACI Journal Jan.-Febr. 1984, (w. E. Coroneos).
- 27.- «Uncertainties of in-situ assessment of concrete strength», ACI Symposium on evaluation of existing concrete buildings, Phoenix, Arizona, 4-9 March 1984.
- 28.- «Masonry, Infill and R. C. walls under cyclic actions» (an invited state-of the Art Report), CIB Symposium on Wall Structures, (Warsaw, 5-8 June 1984).
- 29.- «Modelling of structures subjected to seismic loading», Ch.9, in the book «Small Scale Modelling of Concrete Structures», edited by F.A. Noor and L.F. Boswell, Elsevier Applied Science, 1992.
- 30.- «Mathematical models for dowel action under monotonic and cyclic conditions», Magazine of Concrete Research, Vol. 38, No 134, March 1986 (w. E. Vintzeleou).
- 31.- «Fundamental mechanisms of force-transfer across reinforced concrete critical interfaces», CEB Workshop of Commissions II and IV, Karlsruhe, W. Germany, 19-21/11/86.
- 32.- «Behaviour of dowels under cyclic deformations», ACI Structural Journal, Jan-Febr. 1987 (w. E. Vintzeleou).
- 33.- «Concrete-to Concrete Friction», Journal of Structural Engineering ASCE, Vol. 113, No. 4, April 1987 (w. E. Vintzeleou).
- 34.- «Ανάπτυξη μεμβρανικών δυνάμεων σε αμφίπακτες πλάκες Ω.Σ.» 8ο Ελληνικό Συνέδριο Σκυροδέματος, Ξάνθη, Καβάλα 27-29/5/87 (με Ε. Κανιτάκη).
- 35.- «Σχεδιασμός ολόσωμων ιστορικών κτιρίων», 8ο Ελληνικό Συνέδριο Σκυροδέματος, Ξάνθη, Καβάλα 27-29/5/87 (με Θ. Χιώτη).
- 36.- «Estructuras de hormigon para el ano 2000», INTEMAC, No, 9, 1er Trimestre 1993.
- 37.- «R. C. Wall Cross-Section Design for a Given Behaviour Factor of the Building», 9th W.C.E.E., Tokyo-Kyoto, Japan, 2-9/8/1988, (w. M. Chronopoulos).
- 38.- «Estimation of behaviour factors of R.C. Buildings», International Journal European Earthquake Engineering, Sept-Dec. 1988 (w. G. Lappas).
- 39.- «A Rational Evaluation of Crack Width in R. C. Elements according to the CEB-FIP/MC 1978», Journal of Chong Qing Jiao Tong Institute 4, 1988 (in chinese).
- 40.- «Shear Resistance of Connections between R.C. Linear Precast Elements», ACI Structural Journal, May-June 1989 (w. S. Tsoukantas).
- 41.- «Failure of Masonry under Heterosemous Biaxal Stresses», Intern. Technical Conference on Structural Conservation on Stone Masonry (ICCROM-Greek Ministry of Culture-NTUA), Athens, 31.10.89-03.11.89 (w. Ch. Vachliotis).

- 42.- «In-situ Strength Measurements of Masonry Mortars», Intern. Technical Conference on Structural Conservation on Stone Masonry (ICCROM-Greek Ministry of Culture-NTUA), Athens, 31.10.89-03.11.89 (w. Ch. Vachliotis, Ch. Spanos).
- 43.- «Deformation Characteristics of Ferrocement Elements under Tension», ACI, SP-124-16, USA, 1990 (w. V. Karaouli).
- 44.- «A Posteriori Estimation of the Conventional Concrete Strength out of In-situ Measurements», RILEM Workshop “Testing during Concrete Construction”, Mainz, W. Germany, 5-7/3/90.
- 45.- «In-Situ and In-Lab Testing of Skin Concrete», RILEM Workshop “Testing during Concrete Construction”, Mainz, W. Germany, 5-7/3/90 (w. S. Kolias, K. Aligizaki).
- 46.- «Eccentric Dowels Loaded against Core of Concrete Sections», Journal of Structural Engineering, ASCE, Vol. 116, No 10, Oct. 1990 (w. E. Vintzeleou).
- 47.- «Shear Crack Stability along a Precast R.C. Joint», Intern. Workshop on the Applications of Fractures Mechanics to R.C., Politecnico di Torino, Dept. of Structural Eng., Torino, 6/10/90 (w. E. Vintzeleou).
- 48.- «R.C. Axial Elements Analysed under Monotonic and Cyclic Actions», ACI Structural Journal, Jan-Febr. 1991 (w. P. Yannopoulos).
- 49.- «Structural Response of R. C. Elements under Fire», The Structural Engineer, 6 August 1991, Vol. 69, No 15 (w. M. P. Chronopoulos).
- 50.- «Influence of Irregularity on the q - Factor of R/C Frames», 10th World Conference on Earthquake Engineering, Madrid, Spain, 19-24/7/92 (w. C. Zeris, Y. Lu, G. F. Zhang).
- 51.- «Analytical Prediction of Cracking and Deflection of Partially Prestressed Beams», FIP Symposium 1993 on Modern Prestressing Techniques and their Applications, Kyoto, Japan, 17-20/10/93 (w. E. Bonataki).
- 52.- «Correlation between In-Situ and Standard Strengths of Concrete», 2nd Int. Conference on Computational Stochastic Mechanics, Moderator in Session “Concrete and Geotechnical Applications”, Athens, Greece, 13-15/6/1994 (w. K. Trezos).
- 53.- «Confinement of R. C. columns for a given ductility factor», 10th European Conference on Earthquake Engineering, Vienna, Austria, 28/8-2/9/94 (w. E. Vintzeleou and M. Chronopoulos).
- 54.- «The Vulnerability concept revisited», 7th International Conference, SDEE 1995, Soil Dynamics and Earthquake Engineering, Chania, Crete, 24-26/5/95.
- 55.- «Three-Leaf Stone Masonry Strengthened by Injecting Cement Grouts», Journal of Structural Engineering, ASCE, Struct. Div., Vol. 121, No 5, May 1995, (w. E. Vintzeleou).
- 56.- «Advances in Earthquake – Resistant Design of Concrete Structures», (invited lecture), 11th WCEF (World Conference on Earthquake Engineering), Acapulco, Mexico, 23-28/6/96.
- 57.- «Σεισμική συμπεριφορά τοίχων Ωπλ. Τοιχοποιίας», 12ο Ελληνικό Συνέδριο Σκυροδέματος, Λεμεσός, Κύπρος, 29-31/10/96 (με Ν. Ψύλλα, Ε. Βιντζηλαίου).
- 58.- «On the Behaviour and Ductility of Reinforced Concrete Coupling Beams of Shear Walls», ACI Structures Journal, Vol. 93, No 6, Nov/Dec. 1996 (w. M. Moretti, A. Bezas).
- 59.- «Seismic Design of Concrete Structures», Ch. 4, in the book «Structures subjected to dynamic loading-Stability and Strength», edited by R.Navayanan and T.M.Roberts, Eslevier Applied Science, 1991.

- **ΕΡΓΑΣΙΕΣ ΕΚΠΑΙΔΕΥΤΙΚΗΣ ΕΠΙΣΤΗΜΗΣ ΚΑΙ ΦΙΛΟΣΟΦΙΚΑ ΜΕΛΕΤΗΜΑΤΑ**
(*Επιλογή*)

1. – «Towards a quantitative assessment of obsolescence of Knowledge», Int. Congress on continuing education of engineers (COPISEE), Athens, February 1974 (w. L. Logothetis).
2. – «Ενθάρρυνση του δημιουργικού σχεδιασμού στην εκπαίδευση των Πολιτικών Μηχανικών», περιοδικό ΡΟΤΟΝΤΑ, 1978.
3. – «Relativity and optimization of aesthetic rules for structures», 11th Congress IABSE-Aesthetics of Structures, Vienna, 31/8-5/9/1980.
4. – «Impact of Technology on human freedom», Συμπόσιο: «Ελευθερία και αναγκαιότητα στον Ευρωπαϊκό πολιτισμό – Προοπτικές της σύγχρονης συνειδήσεως», Πρακτικά του 5^{ου} Διεθνούς Ανθρωπιστικού Συμποσίου, 1981.
5. – «Τέχνη, Ελευθερία και Κράτος», Περιοδικό Νέα Εστία, Αθήνα, τεύχος 1365, 15/5/84.
6. – «Technocratic or archimedean engineering?», European Journal of Engineering Education, 1, 1984.
7. – «The axiological challenge of science and technology», European Philosophy Conference, Athens, 24-28/6/85.
8. – «Πιθανές ηθοπολιτικές διαστάσεις της γλωσσικής ακηδίας», Ελληνικός Γλωσσικός Όμιλος, Ελληνική Γλώσσα, Αθήνα 1986.
9. – «Ανοσιολόγο θέλουμε και όχι δερματολόγο», (αναδημοσίευση), Οικονομικός Ταχυδρόμος, 19.4.1990.
10. – «A Popperistic Approach to Technology», Ημερίδα προς τιμήν του φιλοσόφου Sir Karl Popper με θέμα «Ο Karl Popper και η σύγχρονη φιλοσοφία», Πανεπιστήμιο Αθηνών και Ευρωπαϊκό Πολιτιστικό Κέντρο Δελφών, Αθήνα 27.5.1993.
11. – «Διχαστασία Τέχνης και Επιστήμης», Ελληνική Φιλοσοφική Επιθεώρηση, τόμος 14, τεύχος 40, Ιανουάριος 1997.

- **ΣΤΑΔΙΟΔΡΟΜΙΑ**

- **ΜΕΡΙΚΑ ΠΕΡΙΣΤΑΤΙΚΑ ΚΑΙ ΒΙΒΛΙΑ**

- **ΣΥΝΟΛΙΚΗ ΔΡΑΣΤΗΡΙΟΤΗΤΑ**