Michael N. Fardis

Emeritus Professor, Civil Engineering Department, University of Patras, Patras, Greece,
Editor, *Journal of Earthquake Engineering and Structural Dynamics*, J.Wiley
Vice-Chairman, *CEN/TC250 "Structural Eurocodes"*, Comite Europeen de Normalisation (CEN)
Honorary President, *International Federation for Structural Concrete* (federation internationale du beton - ***fib***)
Honorary Member, *International Association of Earthquake Engineering* (IAEE)
Corresponding Member, *Mexican Academy of Engineering*

INTERNATIONAL AWARDS

1993 Wason Medal for Materials Research of the American Concrete Institute, for the best paper published in the Institute's Journals in 1992.

EDUCATION

National Technical University of Athens, Diploma in Civil Engineering, June 1971.
M.I.T., Master of Science in Civil Engineering, Feb. 1977.
M.I.T., Master of Science in Nuclear Engineering, Feb. 1978.
M.I.T., Ph.D. in Structural Engineering, Feb. 1979.

ACADEMIC EXPERIENCE

1972-1975:	Assistant and Scientific Collaborator, National Technical University of Athens, Chair of Structural Analysis and Steel Bridges.
1975-1979:	Research Assistant, M.I.T., Department of Civil Engineering.
Feb.1979-June 1982:	Assistant Professor of Civil Engineering, M.I.T.
July 1982-June 1983:	Associate Professor of Civil Engineering, M.I.T. (on leave from Sept. 1, 1982 to June 30, 1983).
April 1982-Aug. 2016:	Professor, Department of Civil Engineering, University of Patras, Greece.
2000-present:	Faculty Member, UME, Istituto Universitario degli Studi Superiori, Pavia.

EDITOR OF JOURNAL

1/1/2016-….: *Earthquake Engineering and Structural Dynamics* – the Journal of the International Association of Earthquake Engineering, J.Wiley.

ASSOCIATE EDITOR OF JOURNAL

1/1-31/12/2015: *Bulletin of Earthquake Engineering* – the Journal of the European Association of Earthquake Engineering, Springer.

MEMBER - EDITORIAL BOARDS OF JOURNALS

1998-present: *Structural Concrete* – the Journal of the International Federation for Structural Concrete (federation internationale du beton - *fib*), Ernst & Sohn/J.Wiley.
1996-31/12/2015: *Journal of Earthquake Engineering*, Taylor & Francis.
2002-31/12/2014: *Bulletin of Earthquake Engineering* – the Journal of the European Association of Earthquake Engineering, Springer.
2004-31/12/2015: *Earthquake Engineering and Structural Dynamics* – the Journal of the International Association of Earthquake Engineering, J.Wiley.
2010-31/12/2015: *Earthquake Spectra* – the Journal of the Earthquake Engineering Research Institute, USA.
2014-31/12/2015: *Earthquakes and Structures*, Technopress.

PRESIDENT OR DEPUTY PRESIDENT - INTERNATIONAL ORGANISATIONS

2009-2010: President, federation internationale du beton (***fib***)
2007-2008: Deputy-President and President-elect for 2009-10, federation internationale du beton (***fib***)

CHAIRMAN - INTERNATIONAL COMMITTEES

1999-2005: CEN/TC250/SC8: Subcommittee 8 for Eurocode 8: "Design of Structures for Earthquake Resistance" of TC250: Structural Eurocodes, Comite Europeen de Normalisation (CEN).
2011-2012: Awards Committee, federation internationale du beton (***fib***).
2007-2008: Commission 7: Seismic Design, federation internationale du beton (***fib***).
1998-02: Task Group 7.1 of Seismic Design Commission of federation internationale du beton (***fib***): "Assessment and Retrofit of Existing Structures".
1991-93: Task Group TGIII/6, Comite Eurointernational du Beton (CEB): Behaviour and Analysis of Reinforced Concrete Structures under Alternate Actions Inducing Inelastic Response.

CHAIRMAN – SCIENTIFIC OR ORGANISATION COMMITTEES OF INTERNATIONAL CONFERENCES

2008-10: Chairman, Scientific Committee: 3rd ***fib*** Congress, June 2010, Washington DC.
2007-09: Chairman, Scientific Committee: ***fib*** Symposium "Concrete – 21st Century Superhero – Building a Sustainable Future", June 2009, London.
2001-03: Chairman, Organising Committee: ***fib*** Symposium "Concrete Structures in Seismic Regions", May 2003, Athens.

VICE-CHAIRMAN - INTERNATIONAL COMMITTEES

2013-2022: Comite Europeen de Normalisation (CEN), Technical Committee CEN/TC250 "Structural Eurocodes"

MEMBER - INTERNATIONAL SCIENTIFIC COMMITTEES

2016-present: Model Code 2020 Task Group (TG10.1), federation internationale du beton, (***fib***).
2015-present: Commission 9: Dissemination of Knowledge, federation internationale du beton (***fib***).
2013-present: Awards Committee, federation internationale du beton (***fib***).
2012-2021: Executive Committee, International Association of Earthquake Engineering (Director).
2007-2015: Comite Europeen de Normalisation (CEN), TC250/SC8, Maintenance Group of Eurocode 8: "Design of structures for earthquake resistance"; Part 1: General, seismic action, rules for buildings; Part 2: Bridges; Part 3: Assessment and retrofitting of buildings; Part 4: Silos, tanks and pipelines; Part 5: Foundations, retaining structures, geotechnical aspects; Part 6: Towers, masts and chimneys.
2002-2012: Presidium, federation internationale du beton (***fib***).
1999-2005: Comite Europeen de Normalisation (CEN), TC250/SC8, (ex-officio), Project Teams for revision of Eurocode 8: "Design of structures for earthquake resistance"; Part 1: General, seismic action, rules for buildings; Part 2: Bridges; Part 3: Assessment and retrofitting of buildings; Part 4: Silos, tanks and pipelines; Part 5: Foundations, retaining structures, geotechnical aspects; Part 6: Towers, masts and chimneys.
2007-2012: Model Code 2010 Committee (SAG5), federation internationale du beton, (***fib***).
1998-present: Technical Council, federation internationale du beton (***fib***).
1998-2014: Special Group on Dissemination of Knowledge (SAG2), federation internationale du beton (***fib***).
1998-2006 & 2009-2014: Seismic Design Commission, federation internationale du beton (***fib***).
2002-2013: Task Group 7.6, Seismic Design Commission: "Critical Comparison of Major Seismic Design Codes for Buildings", federation internationale du beton (***fib***).
2002-2007: Task Group 7.4, Seismic Design Commission: "Seismic Design and Assessment Procedures for Bridges", federation internationale du beton (***fib***).
1998-2002: Steering Committee, federation internationale du beton (***fib***).
1998-2002: Task Group 7.2, Seismic Design Commission: "Displacement-based Design and Assessment", federation internationale du beton (***fib***).
1998-2002: Special Activity Group on Information Technology in Concrete Design and Construction (SAG3), federation internationale du beton, (***fib***).
1997-1998: Management Group, federation international du Beton (***fib***).

1995-1998: Strategy Group, federation internationale du beton (***fib***).
1997-1998: Administrative Council, Comite Eurointernational du Beton (CEB).
1994-1998: Task Group TGIII/2: Seismic Design, Comite Eurointernational du Beton (CEB).
1991-1998: Permanent Commission III: Design, Comite Eurointernational du Beton (CEB).
1986-1991: General Task Group GTG22: Behaviour and Analysis of Reinforced Concrete Structures under Alternate Actions Inducing Inelastic Response, Comite Eurointernational du Beton (CEB).
1987-1991: Committee for Model Code 1990 (CMC90), Comite Eurointernational du Beton (CEB).
1985-1987: Revision Group for CEB/FIP 1978 Model Code for Concrete Structures, (CEB/MCRG), Comite Eurointernational du Beton (CEB).
1991-1994: Comite Europeen de Normalisation (CEN): TC250/SC8-Eurocode 8: Project Team 6 (PT6) on Repair and Strengthening.
1991-1994: Comite Europeen de Normalisation (CEN): TC250/SC8-Eurocode 8: Ad Hoc Group "Concrete" of Project Team 1 (PT1) – General.

MEMBER, SCIENTIFIC COMMITTEES OF INTERNATIONAL CONFERENCES

2017-2019: Scientific Committee, 5th International Conference. "Smart Monitoring, Assessment and Rehabilitation of Civil Structures" Aug. 2019, Potsdam.
2017-2019: Scientific Committee, fib Symposium "Concrete: Innovations in materials, design and structures", May 2019, Krakow.
2017-2018: Scientific Committee: 5th ***fib*** Congress, October 2018, Melbourne.
2016-2017: Scientific Committee: 4th International Conference. "Smart Monitoring, Assessment and Rehabilitation of Civil Structures" Sept. 2017, Zurich.
2016-2017: Scientific Committee, Concrete Innovation Conference and 11th High Performance Concrete Symposium, March 2017, Tromsø, Norway.
2016-2017: Scientific Committee, *fib* Symposium "High tech concrete: Where technology and engineering meet", June 2017, Maastricht, The Netherlands.
2015-2017: Scientific Committee 9th International Conference on Analytical Models and New Concepts in Concrete and Masonry Structures (AMCM2017), June 2017, Gliwice, PL.
2015-2016: Scientific Committee: 1st International Conference on Natural hazards and infrastructure - Protection, design, rehabilitation, June 2016, Chania, GR.
2015-2016: Scientific Committee: 11th International ***fib*** Ph.D Symposium in Civil Engineering, Aug. 2016, Tokyo.
2015-2016: International Advisory Committee: 2nd International Conference on Concrete Sustainability (ICCS16), June 2016, Madrid.
2014-2015: Scientific Committee: 3rd International Conference. "Smart Monitoring, Assessment and Rehabilitation of Civil Structures" Sept. 2015, Antalya.
2012-2014: Scientific Committee: 4th ***fib*** Congress, February 2014, Mumbai.
2013-2014: Scientific Committee: 10th International ***fib*** Ph.D Symposium in Civil Engineering, July 2014, Quebec.
2013-2014: International Advisory Committee, 8th International Conference Analytical Models and New Concepts in Concrete and Masonry Structures (AMCM2014), June 2014, Wroklaw.
2011-2013: Scientific Committee: 2nd Intern. Conf. "Smart Monitoring, Assessment, Rehabilitation of Civil Structures" Sept. 2013, Istanbul.
2011-2013: Scientific Committee: ***fib*** Symposium "Engineering a Concrete Future: Technology, Modeling & Construction" April 2013, Tel Aviv.
2011-2012: International Advisory Committee, First International Conference on Performance-based and Life-cycle Structural Engineering (PLSE 2012), Dec. 2012, Hong Kong.
2011-2012: Scientific Committee: 15th World Conference on Earthquake Engineering, Sept. 2012, Lisbon.
2011-2012: Scientific Committee: ***fib*** Symposium "Concrete Structures for Sustainable Community", June 2012, Stockholm.
2011-2012: Scientific Committee: 9th International ***fib*** Ph.D Symposium in Civil Engineering, July 2012, Karlsruhe.

2010-2011: Scientific Committee: ***fib*** Symposium "Concrete engineering for excellence and efficiency", June 2011, Prague.
2010-2011: International Advisory Committee, 7th International Conference Analytical Models and New Concepts in Concrete and Masonry Structures (AMCM2011), June 2011, Krakow.
2009-2010: Scientific Committee: 8th International ***fib*** Ph.D Symposium in Civil Engineering, June 2010, Copenhagen.
2009-2010: Scientific Committee: 14th European Conference on Earthquake Engineering, Aug.-Sept. 2010, Ohrid.
2008-2010: Scientific Committee: IABSE- ***fib*** Conference "Codes of Practice in Structural Engineering - Development and Needs for International Practice", May 2010, Dubrovnik.
2007-2009: Scientific Committee: 9th International Symposium on Fiber Reinforced Polymer Reinforcement for Concrete Structures (FRPRCS-9), July 2009, Adelaide.
2007-2008: International Advisory Committee, 6th International Conference Analytical Models and New Concepts in Concrete and Masonry Structures (AMCM2008), June 2008, Lodz.
2007-2008 Scientific Committee: 7h International ***fib*** Ph.D Symposium in Civil Engineering, Sept. 2008, Stuttgart.
2007-2008: Scientific Committee: 8th International Symposium on Utilization of High-Strength and High-Performance Concrete, Oct. 2008, Tokyo.
2007-2008: Scientific Committee: ***fib*** Symposium "Tailor Made Concrete Structures", May 2008, Amsterdam.
2006-2007: Scientific Committee: 8th International Symposium on Fiber Reinforced Polymer Reinforcement for Concrete Structures (FRPRCS-8), July 2007, Patras.
2006-2007: Scientific Committee: ***fib*** Symposium "Concrete Structures Inducing Development and Prosperity", May 2007, Dubrovnik.
2005-2006: Scientific Committee: 3rd International Conference on Bridge Maintenance, Safety and Management (IABMAS'06), July 2006, Porto.
2004-2006: Scientific Committee: 2nd ***fib*** Congress, June 2006, Napoli.
2004-2006: Scientific Committee: 6th International ***fib*** Ph.D Symposium in Civil Engineering, August 2006, Zurich.
2004-2005: Scientific Committee: ***fib*** Symposium "Keep Concrete Attractive", May 2005, Budapest.
2004-2005: Scientific Committee: IABSE Symposium "Structures and Extreme Events", Sept. 2005, Lisbon.
2003-2004: Scientific Committee: 5th International Ph.D Symposium in Civil Engineering, June 2004, Delft.
2003-2004: Scientific Committee: ***fib*** Symposium "Segmental Construction in Concrete", Nov. 2004, Delhi.
2001-2003: Scientific Committee: ***fib*** Symposium "Concrete Structures in Seismic Regions", May 2003, Athens.
2001-2002: Scientific Committee: 12th European Conference on Earthquake Engineering, Sept. 2002, London.

MEMBER, INTERNATIONAL SCIENTIFIC ADVISORY/EVALUATION COMMITTEES

2017-18: Project Review Panel: ATC-134 "Calibration of seismic evaluation methodologies" Applied Technology Council, Redwood, California
2017: International Review Panel, National Practice Directive for seismic design, NEN, Delft, The Netherlands
2009-14: Scientific Committee: French R&D project "Behavior & Assessment of Special Construction Works - Cracking & Shrinkage (CEOS.fr)".
2012-14: Single External Evaluator, Instituto de Engenharia de Estruturas, Territorio e Construçâo, Lisbon Technical University (Instituto Superior Tecnico)
2007-11: Scientific Advisory Permanent External Commission, Instituto de Engenharia de Estruturas, Territorio e Construçâo, Lisbon Technical University (Instituto Superior Tecnico)
2007: Evaluation Board of the Department of Structural Engineering of the Politecnico di Milano, Milano.
2007-09: Technical review panel, research network project DPC-RELUIS: "Consorzio Interuniversitario Rete dei Laboratori Universitari di Ingegneria Sismica", Italy
2006-08: Expert Committee on Earthquake engineering and associated infrastructures, TAMARIS Seismic Laboratory CEA (Commissariat à l'Energie Atomique), Saclay, France.

2000-03: Proposal evaluation panels and Visit teams, NEES program, National Science Foundation, Washington, D.C.

CHAIRMAN - GREEK COMMITTEES

2012-2013: Awards Committee for best Doctoral Thesis and best international journal paper by young Greek engineers in the period 2009-2012, Greek Association of Earthquake Engineering

1998-2012: Head, Greek Delegation to the federation internationale du beton (***fib***).

2001-2006: Permanent Committee for the maintenance and application of the Greek Codes for Seismic Design and Concrete Structures, Earthquake Planning and Protection Organisation (EPPO).

1985-1987, 1994-2002: Permanent Scientific Committee on Earthquake Engineering, Earthquake Planning and Protection Organization (EPPO).

1989-1995: Technical Council of the University of Patras (1986-1989: Vice chairman).

1993: Committee for the evaluation of the design and the bids for the Congress Center of the University of Patras.

1988: Committee for the evaluation of the design and the bids for the Olympic Velodrome and the Olympic Swimming Center, General Secretariat for Athletics.

MEMBER - GREEK COMMITTEES

1998-2014: Technical Adjudication Panel for Rion-Antirrion Bridge, Ministry of Public Works.

2000- present: Committee for the Code for Structural Interventions, Earthquake Planning and Protection Organisation (EPPO).

1992-1998: Greek Delegation to the Comite Eurointernational du Beton (CEB).

1989-1991, 1999-2005: Board of Directors, Earthquake Planning and Protection Organization (EPPO).

1994-1995: Committee for the Contract Negotiations for the Rion-Antirrion Bridge, Greek Ministry of Public Works.

1993-1994: Committee for the evaluation of the bids for the Rion-Antirrion Bridge, Ministry of Public Works.

1993: Committee for the evaluation of the design and the bids for the Motorway twin bridge over the Corinth Canal, Ministry of Public Works.

1992-2002: National Committee for the Evaluation of Seismic Risk,

1987-2000: Committee for the Code on Design and Construction of Reinforced Concrete Structures, Ministry of Public Works.

1987-2000: Committee for the Seismic Design Code, Ministry of Public Works.

1992-1993: Scientific Committee, European Center for Earthquake Protection and Prediction.

OTHER PROFESSIONAL AND TECHNICAL EXPERIENCE

1973-1975: Engineer, bridge design, Prof. Panayotounakos's Design Firm, Athens.

1988-1989: Director of the Organisation of School Buildings.

1980-2017: Consultant to the following:

Visidyne, Inc., Burlington, Mass. 1980-82
W.R. Grace and Co., Cambridge, Mass. 1980-82
The Celotex Corp., Tampa, Florida, 1981
NUCLEBRAS, Nuclen, Rio de Janeiro, 1981
Los Alamos Nat. Laboratory, New Mexico, 1982
Structural Designs Ltd., Athens, 1989-1991
Ministry of Public Works, Athens, 1993-2014
Hochtief, 1997-1999
Rio-Antirio Bridge Concessionaire, 1998-2014
International Atomic Energy Agency, Vienna, 2004
Archirodon Construction, Athens, 2013
Architectural Institute of Korea and Korea University, Seoul, 2015
Standards Institution of Israel, Tel Aviv, 2016, 2018
Dr. E.Leibovich Consulting Engineers Ltd, Tel Aviv, 2016-17

NEN, Standards Institution of the Netherlands, Delft, 2017

CITATIONS

Google Scholar (https://scholar.google.gr/citations?user=dBDLVwEAAAAJ&hl=en): about **10250**
Scopus (https://www.scopus.com/authid/detail.uri?authorId=7006644796): about **4700 (h-index 32)**
Web of Science: about **3750**.

PUBLICATIONS

Books

1. M.N. FARDIS, E.C. CARVALHO, P. FAJFAR and A. PECKER Seismic Design of Concrete Buildings to Eurocode 8, CRC Press, Taylor & Francis, 2015, 424p, ISBN 978-1466559745
2. B. KOLIAS, M.N. FARDIS and A. PECKER Designers' Guide to Eurocode 8: Design of bridges for earthquake resistance, EN 1998-2. Institution of Civil Engineers (ICE) Publishing, London, 2012, 250p, ISBN 978-0-7277-5735-7.
3. M.N. FARDIS Seismic Design, Assessment and Retrofitting of Concrete Buildings (based on EN-Eurocode 8). Springer Science+Business Media BV, Dordrecht, 2009, 766p, ISBN 978-1-4020-9841-3
4. M.N. FARDIS, E. CARVALHO, A. ELNASHAI, E. FACCIOLI, P. PINTO and A. PLUMIER. Designers' Guide to EN 1998-1 and EN 1998-5: Eurocode 8: Design of Structures for Earthquake Resistance. General Rules, Seismic Actions, Design Rules for Buildings, Foundations and Retaining Structures. Thomas Telford Publishers, London, 2005, 2009, 2011, 285p, ISBN 07277-3348-6 (published in Italian by EPC Editore, 2011, ISBN: 978-88-6310-276-5, in Greek by Kleidarithmos, S.A., 2011, ISBN: 978-960-461-452-3 and in Russian by Moscow State University for Civil Engineering, 2013, ISBN: 978-5-7264-0731-9)
5. M.N. FARDIS, Design of Earthquake Resistant Concrete Structures (in Greek), 296p, Hellenic Open University, 2003, ISBN 960-538-351-9.
6. M.N. FARDIS and S.H. DRITSOS, Assessment of Seismic Damage, Repair and Retrofitting of Concrete Buildings (in Greek), 335p, Hellenic Open University, 2003, ISBN 960-538-235-0.
7. M.N. FARDIS, Prestressed Concrete (in Greek), 1st Edition: 196 p., University of Patras Publishing House, Patras, 1986; 2nd Edition: 208p, University of Patras Publishing House, 1997. 3rd Edition: 222p, University of Patras Publishing House, 2001.
8. M.N. FARDIS, Reinforced Concrete (in Greek), 1st Edition: Vol. I, 224 p., Vol. II, 242 p., Vol. III, 162 p., Greek Textbook Publishing Organization, Athens, 1985; 2nd Edition: Vol. I, 341p, Vol. II, 339p, Vol. III, 248p. University of Patras Publishing House, 1997; 3rd Edition: Vol. I, 336p, Vol. II, 353p, Vol. III, 355p., University of Patras Publishing House, 2007.
9. M.N. FARDIS, Design of Concrete Bridges (in Greek), University of Patras Publishing House, Patras, 149p. 2006.

Chapters in Books

1. M.N. FARDIS, Member - Type Models for the Nonlinear Seismic Response Analysis of Reinforced Concrete Structures, in "Experimental and Numerical Methods in Earthquake Engineering", J. Donea and P.M. Jones, Eds, Kluwer Academic Publishers, ISBN 0-7923-1434-4, Dordrecht, The Netherlands, 1991, pp. 247-280.
2. M.N. FARDIS, Chapter 6: Finite Element Modeling of Reinforced Concrete, in "Behaviour and Analysis of Reinforced Concrete Structures under Alternate Actions inducing Inelastic Response. Vol. 1: General Models", Comite Eurointernational du Beton, Bull. No. 210, Laussane, July 1991 and in "RC Elements under Cyclic Loading", Comite Eurointernational du Beton, Bull. No. 231, Thomas Telford Publications, London, ISBN 0-7277-2086-4, April 1996, pp. 134-167.
3. M.N. FARDIS and F. FILIPPOU, Chapter 1: Frame Members in Bending with or without Axial Force, in "Behaviour and Analysis of Reinforced Concrete Structures under Alternate Actions inducing Inelastic Response. Vol. 2: Frames", Comite Eurointernational du Beton, Bull. No. 220, Laussane, May 1994, and "RC Frames under Earthquake Loading", Comite Eurointernational du Beton, Bull. No. 231, Thomas Telford Publications, London, ISBN 0-7277-2085-6, May 1996, pp. 1-102.
4. M.N. FARDIS and J-D WOERNER, Chapter 2: Frame Members in Flexure and Axial Force with High

Shear, in "Behaviour and Analysis of Reinforced Concrete Structures under Alternate Actions inducing Inelastic Response. Vol. 2: Frames", Comite Eurointernational du Beton, Bull. No. 220, Laussane, May 1994 and in "RC Frames under Earthquake Loading", Comite Eurointernational du Beton, Bull. No. 231, Thomas Telford Publications, London, ISBN 0-7277-2085-6, May 1996, pp. 103-137.

5. M.N. FARDIS Chapter 9: Reinforced Concrete Structures, in "Computer Analysis and Design of Earthquake Resistant Structures - A Handbook", Computational Mechanics Publications, Southampton, ISBN 1-85312-374-9, 1997, pp. 441-532.
6. M.N. FARDIS and T.B. PANAGIOTAKOS, Displacement-based Design of RC Buildings: Proposed Approach and Application, in "Seismic Design Methodologies for the Next Generation of Codes", (P. Fajfar and H. Krawinkler, eds.), Balkema, Rotterdam, ISBN 90-5410-928-9, 1997, pp. 195-206.
7. A. ELNASHAI, M.N. FARDIS and A.J. KAPPOS Chapter 5: Selected Case Studies, in "Seismic Design of RC Structures for Controlled Inelastic Response", Comite Eurointernational du Beton, Bull. No.236, Lausanne, March 1997, ISBN 2-88394-035-5, pp. 79-158, and Bull.240, Thomas Telford Ltd., London, ISBN 0-7277-2641-2, 1998, pp.60-132.
8. M.N. FARDIS, Chapter 3: "Review of Seismic Assessment Procedures", in "Seismic Assessment and Retrofit of RC Buildings" *fib* Bull. No.24, federation internationale du beton, Lausanne, ISBN 2-88394-064-9, pp. 37-90, May 2003
9. M.N. FARDIS, A. ELNASHAI and T.C. TRIANTAFILLOU Chapter 5: "Seismic Retrofitting Techniques", in "Seismic Assessment and Retrofit of RC Buildings" *fib* Bull. No.21, federation internationale du beton, Lausanne, ISBN 2-88394-064-9, pp. 151-228, May 2003
10. M.N. FARDIS, T. PANAGIOTAKOS, D. BISKINIS and A. KOSMOPOULOS, "Seismic Assessment of Existing RC Buildings", in "Seismic Assessment and Rehabilitation of Existing Buildings", S.T. Wasti & G. Ozcebe, eds. NATO Science Series, IV. Earth and Environmental Sciences - Vol.29, Kluwer Academic Publishers, Dordrecht, pp. 215-244, ISBN 1-4020-1624-7, May 2003.
11. S.N. BOUSIAS and M.N. FARDIS, "Experimental Research on Vulnerability and Retrofitting of Old-Type RC Columns under Cyclic Loading", in "Seismic Assessment and Rehabilitation of Existing Buildings", S.T. Wasti & G. Ozcebe, eds. NATO Science Series, IV. Earth and Environmental Sciences - Vol.29, Kluwer Academic Publishers, Dordrecht, pp. 245-268, ISBN 1-4020-1624-7, May 2003.
12. M.N. FARDIS, Chapter 5: "Displacement Capacity of Members and Systems" in "Displacement-based Design of RC Buildings" *fib* Bull. No.25, federation internationale du beton, Lausanne, ISBN 2-88394-065-7, pp. 107-136, May 2003
13. M.N. FARDIS, A European Perspective for Performance-Based Seismic Design, in "Performance-Based Seismic Design - Concepts and Implementation" (P.Fajfar, H.Krawinkler, eds.), PEER Report 2004/05 University of California, Berkeley, ISBN 09762060-0-5, p. 1-13, Sept. 2004.
14. M.N. FARDIS, "Design Rules for Seismic Retrofitting with FRPs According to Eurocode 8 and their Background" in "Retrofitting of Concrete Structures through Externally Bonded FRPs, with emphasis on Seismic Applications" *fib* Bull. No.35, federation internationale du beton, Lausanne, ISBN 2-88394-075-4, pp. 199-217, April 2006.
15. S.N. BOUSIAS, M. N. FARDIS, A.-S. SPATHIS and D. BISKINIS, Shotcrete or FRP Jacketing of Concrete Columns for Seismic Retrofitting, in: "Advances in Earthquake Engineering for Urban Risk Reduction", S.T. Wasti & G. Ozcebe, eds. NATO Science Series, IV. Earth and Environmental Sciences - Vol.66, Kluwer Academic Publishers, Dordrecht, pp. 33-46, ISBN 1-4020-4569-7, 2006.
16. D.E. BISKINIS and M.N. FARDIS, Sections: I-2.2.1:"Effective elastic stiffness of RC members for use in linear analyses emulating nonlinear ones" pp.44-52, I-3.1:"Acceptance and design criteria in terms of deformations for RC members under uni- or bi-directional cyclic loading at different performance levels" pp.61-79, II-2.2.1:"Simple estimation of secant-to-yield stiffness of concrete piers on the basis of test results" pp.111-122 & II-3.1.1: "Simple rules for the estimation of the flexure- or shear-controlled cyclic ultimate deformation of concrete piers, on the basis of test results" pp.130-133, in "Guidelines for Displacement-based Design of Buildings and Bridges" Lessloss-2007/05, European School for Advanced Studies in Reduction of Seismic Risk, ROSE School, EUCENTRE, Pavia, Italy, (Fardis M.N., Editor) 2007, ISBN 2-88394-075-4
17. V. BARDAKIS, T.B. PANAGIOTAKOS and M.N. FARDIS, Sections: II-1.2:"Design of bridge piers

directly on the basis of displacement and deformation demands, without iterations with analysis" pp. 111-122, in ""Guidelines for Displacement-based Design of Buildings and Bridges" Lessloss-2007/05, European School for Advanced Studies in Reduction of Seismic Risk, ROSE School, EUCENTRE, Pavia, Italy, (Fardis M.N., Editor) 2007, ISBN 2-88394-075-4

18. M.N. FARDIS, "Ertüchtigung von seismisch beanspruchten Betonbauwerken", Kapitel X, Beton Kalender 2008, Teil II, Ernst & Sohn/Wiley, ISBN 978-3-433-01839-2, pp.275-308, 2008
19. D.E. BISKINIS and M.N. FARDIS, Chapter 15: "Upgrading of Resistance and Cyclic Deformation Capacity of Deficient Concrete Columns" , in "Seismic Risk Assessment and Retrofitting with special emphasis on existing low rise structures" (Ilki A et al, eds.), Springer Dordrecht, ISBN 978-90-481-2680-4, 2009.
20. M.N. FARDIS and G. TSIONIS, Chapter 3: "Specific rules for design and detailing of concrete building. Design for DCM and DCH. Illustration of elements design" in "Eurocode 8: Seismic design of buildings- Worked examples" (B. Acun, A. Athanasopoulou, E. Carvalho, M.N. Fardis and A. Pinto, eds.) JRC Scientific and Technical Report, European Commission, Joint Research Centre, Institute for the Protection and Security of the Citizen, EUR 25204EN, ISBN 978-92-79-23068-4, 2012, 53-82.
21. M.N. FARDIS, A. SCHETAKIS and E. STREPELIAS, Chapter 15: "Seismic Rehabilitation of Concrete Buildings by Converting Frame Bays into RC Walls", in "Seismic Evaluation and Rehabilitation of Structures" (Ilki A & Fardis M.N., eds.) Springer, Dordrecht, ISBN 978-3-319-00457-0, 2013, 261-280.
22. E. STREPELIAS, X. PALIOS, S.N. BOUSIAS and M.N. FARDIS, Chapter 16: "Pseudo-Dynamic Tests of 4-Storey Non-Ductile Frames with RC Infilling of the Bay", in "Seismic Evaluation and Rehabilitation of Structures" (Ilki A & Fardis M.N., eds.) Springer, Dordrecht, ISBN 978-3-319-00457-0, 2013, 281-301.
23. M.N. FARDIS, Sections 1.3: "Europe" pp. 48-86, 2.3: "Beams" pp. 180-183 and 2.4 "Columns" pp. 184-189 in "Critical Comparison of Major Seismic Codes in Buildings" *fib* Bull. No.69, federation internationale du beton, Lausanne, ISBN 978-2-88394-109-0, 2013.
24. G. TSIONIS, M.N. FARDIS. Chapter 9: "Fragility functions of road and railway bridges" in "SYNER-G: Typology definition and fragility functions for physical elements at seismic risk" (K. Pitilakis, H. Crowley, A.M. Kaynia, eds.) Springer Verlag Berlin Heidelberg, ISBN 978-94-007-7871-9, 2014.
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92. M.N. FARDIS A Levels-of-Approximation approach to seismic design or assessment of beam-column joints in shear. Structural Concrete, Vol. 22(3), June 2021, p. 1259-1284.
93. M.N. FARDIS Shear strength model for RC joints, consistent with the shear design rules for prismatic members in the second-generation Eurocodes. Bulletin of Earthquake Engineering, Vol. 19(2), Febr. 2021, p. 889-917.
94. M.N. FARDIS Multispan bridges with distributed deck and pier mass and pier-flexure-deck-torsion coupling under transverse excitation - Analytical solution, parametric studies, design implications. Earthquake Engineering and Structural Dynamics. Vol. 50(14) Dec. 2021. p.3713-3740.
95. M.N. FARDIS Flat slabs as primary seismic elements in second-generation Eurocode 8. Bulletin of Earthquake Engineering (in press), 2022.
96. S. GRAMMATIKOU, M.N. FARDIS and D.E. BISKINIS Energy dissipation in reinforced concrete members before and after yielding. Earthquake Engineering and Structural Dynamics, (On line, Jan. 2022). DOI: 10.1002/eqe.3600.

Invited Keynote papers in Refereed International Conferences

1. M.N. FARDIS, Lessons Learned in Past Earthquakes, Invited State-of-the-Art Lecture, 10th European Conference on Earthquake Engineering, (G. Duda, ed.), Balkema, Rotterdam, Vienna, Aug. 1994, pp. 779-788.
2. M.N. FARDIS, Current Trends in European Earthquake Resistant Analysis and Design of Reinforced Concrete, Invited Keynote Lecture, 3rd Turkish National Earthquake Engineering Conference, Istanbul, March 1995.
3. M.N. FARDIS and T.B. PANAGIOTAKOS, Earthquake Response of Reinforced Concrete Structures, Invited Keynote Lecture, 5th SECED Conference on European Seismic Design Practice-Research and Applications, Chester, U.K., Oct. 1995, (A. Elnashai, ed.), Balkema, Rotterdam, pp. 11-18.
4. M.N. FARDIS, Engineering Aspects of the Mt. Parnes (GR) Earthquake of 7/9/99, Invited lecture, Italian National Earthquake Engineering Conference, Torino, Sept. 1999.
5. M.N. FARDIS, Eurocode 8: Its Conversion to a European Norm within the Framework of Current Developments Worldwide, Invited lecture, Italian National Earthquake Engineering Conference, Torino,

Sept. 1999.

6. M.N. FARDIS, Seismic Assessment and Retrofit of RC Structures, Invited State-of-the-Art Lecture, Proceedings 11th European Conference on Earthquake Engineering, Paris, Sept. 1998.
7. M.N. FARDIS, "Eurocode 8: Design of Structures for Earthquake Resistance", (invited lecture), Proceedings Earthquake Risk Minimization Conference, Nicosia, March 2002.
8. M.N. FARDIS, Code Developments in Earthquake Engineering, (Invited keynote lecture), Proceedings 12th European Conference on Earthquake Engineering, Paper No. 297, London, Sept. 2002.
9. M.N. FARDIS, European Developments in Codified Seismic Design of Concrete Structures, (Keynote paper K-20), Proceedings of 1st *fib* Congress, Osaka, Oct. 2002.
10. M.N. FARDIS, "Earthquake-Resistant Design of Concrete Buildings according to prEN1998-1 (Eurocode 8)", Keynote lecture, Portuguese Concrete Conference: BE2002, Lisbon, Nov. 2002.
11. M.N. FARDIS, "Seismic Assessment and Retrofitting of Existing Buildings According to Eurocode 8", Keynote lecture, 5th Turkish Earthquake Engineering Conference, Istanbul, May 2003.
12. M.N. FARDIS, The European Code for Seismic Design and Rehabilitation: Eurocode 8. Invited Lecture, 1st International Saudi Building Code Conference, Riyadh, Dec. 2005.
13. M.N. FARDIS and A. KOSMOPOULOS, Practical Implementation of Seismic Assessment Method in Eurocode 8 - Part 3, with Linear or Nonlinear Analysis and Deformation-based Verification using Empirical Chord Rotation Capacity Expressions, Keynote lecture, 6th Turkish Earthquake Engineering Conference, Istanbul, Oct. 2007.
14. M.N. FARDIS, Eurocode 8 and the Outlook for its Application as the 1st European Standard for Earthquake-Resistant Design, Keynote speech, 8th Pacific Conference on Earthquake Engineering, Singapore, Dec. 2007.
15. M.N. FARDIS, Modelling of Concrete Buildings for Practical Nonlinear Seismic Response Analysis, Keynote Lecture, 6th International Conference on Analytical Models and New Concepts in Concrete and Masonry Structures (AMCM2008), Lodz, June 2008.
16. M.N. FARDIS, Performance- and Displacement-Based Seismic Design of Concrete Structures, Invited lecture, The Second Kwang-Hua World Forum on Performance-based Design Theory and Code Development for Civil and Structural Engineering, Tongji University, Shanghai, Oct. 2009.
17. M.N. FARDIS, Seismic Engineering Research Infrastructures for European Synergies (SERIES), Invited lecture, The Fourth Kwang-Hua World Forum, Tongji University, Shanghai, Dec. 2011.
18. M.N. FARDIS, Performance-and displacement-based seismic design of concrete structures, Keynote Lecture, 7th International Conference on Analytical Models and New Concepts in Concrete and Masonry Structures (AMCM2011), Krakow, June 2011.
19. M.N. FARDIS, "Eurocode 8 as the 1st European Standard for Earthquake-Resistant Design and Prospects for Future" Keynote speech, Symposium "Seismic Design Codes: Past, Present and Future", Mexican Society in Earthquake Engineering. Puebla, Mexico, June 2012.
20. M.N. FARDIS, Performance-and displacement-based seismic design of concrete structures in ***fib*** Model Code 2010, Keynote Lecture, ACE (Advances in Civil Engineering) 2012 Conference, Ankara, Oct. 2012.
21. M.N. FARDIS, The European approach to seismic engineering and codification for concrete structures, Closing Keynote Lecture, ***fib*** Symposium "Engineering a Concrete Future: Technology, Modelling & Construction", Tel Aviv, April 2013.
22. E.C. CARVALHO, M.N. FARDIS, EN 1998-2: Bridges, in "Harmonization of the European normative base of construction design - Training Course on Eurocode 8", Moscow, May 2013
23. M.N. FARDIS, Seismic design and assessment of concrete structures in the ***fib*** Model Code 2010, Keynote Lecture, 15th Symposium of Macedonian Association of Structural Engineers (15MACE), Ohrid, Sept. 2013.
24. M.N. FARDIS, European seismic design codes for concrete structures: Past, present and future. Keynote Lecture, 2nd Turkish Conference on Earthquake Engineering & Seismology (TDMSK-2013), Antakya, Sept. 2013.
25. M.N. FARDIS, D. BISKINIS and S. GRAMMATIKOU, RC members in cyclic loading: Strength, deformation capacity, failure modes, 8th International Conference on Analytical Models and New

Concepts in Concrete and Masonry Structures (AMCM2014), Wroclaw, June 2014.

26. M.N. FARDIS, From performance- and displacement-based assessment of existing buildings per EN1998-3 to design of new concrete structures in *fib* MC2010, 2nd European Conference on Earthquake Engineering and Seismology, Istanbul, Aug. 2014
27. M.N. FARDIS, Experience from the use of the European Standard EN 1998-3 for seismic assessment and retrofitting - Prospects for the future. SMAR 2015. Keynote Lecture, 3rd Conference on Smart Monitoring, Assessment and Rehabilitation of Civil Structures, Antalya, Sept. 2015.
28. M.N. FARDIS, Multihazard design of concrete buildings. 1st International Conference on Natural hazards and infrastructure - Protection, design, rehabilitation, Chania, June 2016.
29. M.N. FARDIS, Holistic design of concrete structures for resilience to blast, impact, fire and earthquake. 1st International Workshop on Resilience, Torino, Sept. 2016.
30. M.N. FARDIS, Multihazard design of concrete structures for earthquake, blast, impact or fire. 20th National Congress of the Mexican Society of Structural Engineering, Merida, Nov. 2016.
31. M.N. FARDIS, Design models for strength, stiffness and cyclic deformation capacity of RC members
32. retrofitted with FRP. Invited Presentation, Mini-symposium "Seismic Retrofit of RC Structures with FRP Composites", 8th International Conference on Fibre-Reinforced Polymer Composites in Civil Engineering (CICE 2016), Hong Kong, Dec. 2016.
33. M.N. FARDIS, From ductility-based seismic design of concrete structures to design for resilience to multiple hazards, Invited Presentation, The Seventh Kwang-Hua World Forum, Tongji University, Shanghai, Dec. 2016.
34. M.N. FARDIS, Synergies and conflicts between seismic design and design for other extreme actions. Keynote speech, International Symposium in Earthquake Engineering and Structural Dynamics, Reykjavik, June 2017
35. M.N. FARDIS, Impact of experimental research on the Eurocode 8 provisions for RC structures. Keynote Lecture, 7th International Conference on Advances in Experimental Structural Engineering, (7AESE) Pavia, Sept. 2017.
36. M.N. FARDIS, From Force-based to Displacement-based seismic design of RC structures and beyond (Keynote lecture) 16th European Conference on Earthquake Engineering, Thessaloniki, June 2018.
37. M.N. FARDIS, Energy dissipation in concrete structures under earthquake shaking, Invited Presentation, The Eighth Kwang-Hua World Forum, Tongji University, Shanghai, Dec. 2018.
38. M.N. FARDIS, Practical, rules-based seismic assessment of concrete buildings through nonlinear response-history analysis. Invited Plenary Lecture, COMPDYN 2019, Heraklion, Crete, June 2019.

Invited contributions to international Workshops and Volumes honoring distinguished professors

1. M.N. FARDIS, Computational Model of Inelastic Behaviour of RC Members in Cyclic Shear. In Proceedings Volume Honoring Prof. T.P. Tassios, National Technical University of Athens Editions, Athens, 1992, pp. 141-159.
2. M.N. FARDIS, Current Developments and Prospects for Eurocode 8, Proceedings Prof. G. Penelis International Symposium on Concrete and Masonry Structures, pp.35-46, Thessaloniki, October 2000.
3. D. BISKINIS, G. ROUPAKIAS and M.N. FARDIS, “Stiffness and Cyclic Deformation Capacity of Circular Concrete Columns”, in: "Befestigungstechnik Bewehrungstechnik und …Festschrift zu Ehren von Prof. Dr.-Ing. Rolf Eligehausen anlaesslich seines 60. Geburtstages" (W. Fuchs, H.-W. Reinhardt, eds.), Aktuelle Beitrage aus Forschung und Praxis, Ibidem-Verlag, ISBN: 3-89821-208-4, Stuttgart 2002, pp. 321-330.
4. M.N. FARDIS and D. BISKINIS, Deformation Capacity of RC Members, as Controlled by Flexure or Shear. In Proceedings of International Symposium on Performance-based Engineering for Earthquake Resistant Structures honoring Prof. Shunsuke Otani University of Tokyo, Sept. 2003, pp. 511-530.
5. M.N. FARDIS, A Proposal for Performance- and Displacement-based Seismic Design of Concrete Structures. In Proceedings of Workshop in honor of Prof. Ezio Faccioli, Politecnico di Milano, Feb. 2011, pp. 10-14
6. E. LIOSSATOU and M.N. FARDIS, Residual seismic displacements of RC oscillators. In Proceedings of Workshop: Earthquake Engineering and Engineering Seismology: Past Achievements and Future

Prospects, honoring Prof. Polat Gulkan, Middle East Technical University, Ankara, Oct. 2011, pp. 156-176

7. M.N. FARDIS. Seismic response analysis of distributed-parameter multi-span bridges with restrained ends, in "Issues on Mechanical and Civil Engineering" Volume to honour Prof. Enrique Alarcon (M. Doblare et al, eds). UPM Press, Madrid, ISBN 978-84-939196-7-2, 2012, pp. 347-360.
8. M.N. FARDIS. Member models for practical seismic evaluation and rehabilitation of concrete buildings using nonlinear response history analysis. Symposium honoring Prof. Anil Chopra on his retirement. University of California, Berkeley, Ca, Oct. 2017.
9. M.N. FARDIS. Hysteretic energy dissipation in seismic response analysis of concrete structures. First Colloquium of the Spanish Theoretical and Applied Mechanics Society (STAMS 2019), honoring Profs. Enrique Alarcon and Amable Liñán. Madrid, March 2019.
10. M.N. FARDIS, D.E. BISKINIS and S. GRAMMATIKOU Modeling of the seismic response of concrete buildings with smooth bars. In “Recent Global Advances in Earthquake Engineering” Proceedings of symposium honoring Prof. Haluk Sucuoglu on his retirement from Middle East Technical University, Oct. 2019, p. 134-163
11. M.N. FARDIS. Practical, rules-based seismic assessment of concrete buildings, using nonlinear response-history analysis. Symposium honoring Prof. Gustavo Ayala on his 50 years at Universita Autonoma Nacional de Mexico, Mexico City, Nov. 2019

Papers in Refereed International Conferences

1. M.N. FARDIS, C.A. CORNELL, and J.E. MEYER, A Probabilistic Seismic Analysis of Containment Liner Integrity, Trans. of the 4th International Conference on Structural Mechanics in Reactor Technology, Vol. K(a) Paper 4/16, San Fransisco, Ca., August 1977.
2. M.N. FARDIS, and O. BUYUKOZTURK, Finite Element Model for Shear Transfer in Reinforced Concrete, ASCE Spring Convention, Boston, Mass., April 1979.
3. M.N. FARDIS, B. ALIBE, and J.L. TASSOULAS, Monotonic and Cyclic Model of Concrete Behavior, Joint ASME-ASCE Mechanics Conference, Boulder, Co., June 1981.
4. M.N. FARDIS, Concrete Encased in Fiber-Reinforced Plastic, as Structural Material, ACI Fall Convention, Session on Research on Plain and Reinforced Concrete, Quebec City, Quebec, Sept. 1981.
5. M.N. FARDIS, Multistate Reliability Analysis and Application to Seismic Safety, Proceedings of the 3rd Post-SMiRT International Seminar on Reliability of Nuclear Power Plants, Paris, France, August 1981, pp. 61-69. (Invited panelist).
6. M.N. FARDIS, and A. NACAR, Response of Reinforced Concrete Containment to Hydrogen Detonation Loading, Proceedings of RILEM-CEB-IASBE-IASS Symposium on Concrete Structures under Impact and Impulsive Loadings, West Berlin, June 1982, pp. 607-622.
7. M.N. FARDIS, and S.S. LIU, Analysis of Reinforced Concrete Beam-Column Joints under Seismic Loading, Proceedings of the 7th European Conference on Earthquake Engineering, Vol. 4, Athens, Sept. 1982, pp. 135-142.
8. E.-S. CHEN, and M.N. FARDIS, Cyclic Multiaxial Model of Plain Concrete, Transactions of the 7th International Conference on Structural Mechanics in Reactor Technology, Chicago, Ill., Aug. 1983.
9. M.N. FARDIS, and A. NACAR, Effect of Natural Veriability of Reinforcement on Static Ultimate Capacity of R/C Containment, Transactions of the 7th International Conference on Structural Mechanics in Reactor Technology, Chicago, Ill., Aug. 1983.
10. A-M. O. SKOUTEROPOULOU, S.N. BOUSIAS, and M.N. FARDIS, Contribution of Curved-in-space Free-standing Staircases to the Lateral Stiffness of Structures, Proc. of the 8th European Conference on Earthquake Engineering, Lisbon, Sept. 1986, Vol. 3, pp. 6.6/41-48.
11. F. KARANTONI and M.N. FARDIS, Assessment of Analysis Methods and of Strengthening Techniques, for Earthquake Resistant Masonry Structures, Proc. of the International Conference on Structural Conservation of Stone Masonry (Diagnosis, Repair and Strengthening), Athens, Oct. 1989.
12. M.G. SFAKIANAKIS and M.N. FARDIS, Biaxial Column Element for Nonlinear Dynamic Analysis of Space-frame Reinforced Concrete Structures, in Proceedings of the European Conference on Structural Dynamics, EURODYN '90, Bochum, June 1990, Kraetzig et al (eds.), Balkema, Rotterdam, pp. 557-564.
13. M.G. SFAKIANAKIS, M.N. FARDIS and S.E. DRITSOS, Analysis of the Response of Reinforced

Concrete Buildings to the 1986 Kalamata Earthquake using Alternative Methods and Comparisons with the Observed Damage, Proc. 9th European Conference on Earthquake Engineering, Moscow, September 1990.

14. M.G. SFAKIANAKIS, M.N. FARDIS, Cyclic Model of Inelastic Biaxial Bending of Reinforced Concrete Columns for Nonlinear Dynamic Analyses of Structures, Proc. 9th European Conference on Earthquake Engineering, Moscow, September 1990.
15. F. KARANTONI and M.N. FARDIS, Analytical Study of Strengthening Techniques for Earthquake Resistant Masonry Buildings, Proc. 9th European Conference on Earthquake Engineering, Moscow, September 1990, Vol. 7B, pp. 125-134.
16. S.N. ECONOMOU and M.N. FARDIS, Seismic Hazard Analysis on Spectral Acceleration Including Statistical Uncertainty. Application to Sites in Greece, Proc. 9th European Conference on Earthquake Engineering, Moscow, September 1990.
17. V.G. PAPADAKIS, C.G. VAYENAS and M.N. FARDIS, Fundamental Concrete Carbonation Model and Application to Durability of Reinforced Concrete, Proceedings 5th International Conference of Durability of Building Materials and Components, Brighton, U.K., November 1990, pp. 27-38.
18. HARISIS and M.N. FARDIS, Automatic Computer-Aided Construction of Strut-and- Tie Models, IABSE Colloquium on Structural Concrete, Stuttgart, Apr. 1991, pp. 373-377.
19. HARISIS and M.N. FARDIS, Algorithms for the Automatic Design / Detailing of Two-Dimensional RC Elements, Symposium on Computer Applications in Concrete Technology, ACI Annual Convention, Boston, Mass., March 1991.
20. HARISIS and M.N. FARDIS, Automatic Design / Detailing of Seismic Resistant RC Buildings, Symposium on Computer Applications in Concrete Technology, ACI Annual Convention, Boston, Mass., March 1991.
21. V.G. PAPADAKIS, M.N. FARDIS and C.G. VAYENAS, Physical and Chemical Properties Affecting the Durability of OPC and Pozzolanic Cement Concrete, ACI Annual Convention, Boston, Mass., March 1991.
22. M.N. FARDIS and S.N. ECONOMOU, Variable Safety Factors for Seismic Design of RC, Proc. 10th World Conference on Earthquake Engineering, Madrid, July 1992, pp. 5771-5776.
23. S.N. BOUSIAS, G. VERZELETTI, M.N. FARDIS and G. MAGONETTE, Reinforced Concrete Columns in Cyclic Biaxial Bending and Axial Load, Proc. 10th World Conference on Earthquake Engineering, Madrid, July 1992, 3041-3049.
24. F.V. KARANTONI and M.N. FARDIS, Assessment of Intervention Techniques for Seismic Strengthening of Masonry, Proc. Intern. Cong. on Restoration of the Architectural Heritage and Building (Canarias '92), Canarias, July 1992.
25. S.N. ECONOMOU, M.N. FARDIS and A. HARISIS, Linear Elastic v Nonlinear Dynamic Seismic Response Analysis of RC Buildings, EURODYN '93, 2nd European Conference on Structural Dynamics, Trondheim, June 1993, pp. 63-70.
26. F.V. KARANTONI, M.N. FARDIS, E. VINTZELEOU and A. HARISIS, Effectiveness of Seismic Strengthening Interventions, Proc. IABSE Symposium on the Structural Preservation of the Architectural Heritage, Roma, Sept. 1993, pp. 549-556.
27. T.C. TRIANTAFILLOU and M.N. FARDIS, Advanced Composites as Strengthening Materials of Historic Structures, Proc. IABSE Symposium on the Structural Preservation of the Architectural Heritage, Roma, Sept. 1993, pp. 541-548.
28. BOUSIAS, S.N. and M.N. FARDIS, Inelastic R.C. Section and Member Model for General Biaxial Bending with Axial Force, Proc. EURO-C 1994, (H. Mang et al eds.), Pineridge Press, Swansea, U.K., Innsbruck, March 1994, pp. 795-804.
29. S.N. ECONOMOU and M.N. FARDIS, Probabilistic Description and Simulation of Extreme Bidirectional Excitation in a Structure's Lifetime, 10th European Conference on Earthquake Engineering, (G. Duda, ed.), Balkema, Rotterdam, Vienna, Aug. 1994, pp. 1211-1216.
30. M.N. FARDIS, Damage Measures and Failure Criteria for Reinforced Concrete Members, 10th European Conference on Earthquake Engineering, (G. Duda, ed.), Balkema, Rotterdam, Vienna, Aug. 1994, pp. 1377-1382.

31. E.C. CARVALHO and M.N. FARDIS, Strength versus Ductility in Seismic Design of Reinforced Concrete Buildings, Special Session on Prenormative Research in Support of Eurocode 8, 10th European Conference on Earthquake Engineering, (G. Duda, ed.), Balkema, Rotterdam, Vienna, Aug. 1994.
32. M.N. FARDIS, Eurocode 8: Reinforced Concrete, 8, Invited paper, Special Session on Eurocode 8, 10th European Conference on Earthquake Engineering, (G. Duda, ed.), Balkema, Vienna, Aug. 1994, pp. 2945-2950.
33. M.N. FARDIS and G.M. CALVI, Effects of Infills on the Global Response of Reinforced Concrete Frames, Special Session on Prenormative Research in Support of Eurocode 8, 10th European Conference on Earthquake Engineering, (G. Duda, ed.), Balkema, Rotterdam, Vienna, Aug. 1994, pp. 2893-2898.
34. F.V. KARANTONI, M.N. FARDIS and D. MATRAKA, Comparative Study of the Seismic Response of Stone and Brick Masonry Buildings, STREMA'95 Conference: Structural Studies on Repair and Maintenance of Historical Buildings, Chania, May 1995, Computational Mechanics Publications (Brebbia and Leftheris, eds.), pp. 61-68.
35. T.C. TRIANTAFILLOU and M.N. FARDIS, Strengthening of Historic Masonry Structures with Fibre Reinforced Plastic Composites, STREMA'95 Conference: Structural Studies on Repair and Maintenance of Historical Buildings, Chania, May 1995, Computational Mechanics Publications (Brebbia and Leftheris, eds.), pp. 129-136.
36. M.N. FARDIS, Current Trends in Earthquake Resistant Analysis and Design of Reinforced Concrete, 5th SECED Conference on European Seismic Design Practice-Research and Application, Chester, U.K., Oct. 1995, (A. Elnashai, ed.), Balkema, Rotterdam, pp. 375-382.
37. V.G. PAPADAKIS, M.N. FARDIS and C.G. VAYENAS, Effect of Fly Ash and Natural Pozzolans on the Pore Structure Characteristics and on Durability of Concrete, Intern. Conference for Chemicals and Additives for the Building and Construction Industry, Brussels, Nov. 1995.
38. V.G. PAPADAKIS, A.P ROUMELIOTIS, M.N. FARDIS and C.G. VAYENAS, Mathematical Modelling of Chloride Effect on Concrete Durability and Protection Measures, Intern. Conference: Concrete in the Service of Mankind, Dundee, Scotland, June 1996.
39. M.N. FARDIS, G.M. CALVI and T.B. PANAGIOTAKOS, Studies for the Development of Code Provisions for Infilled RC frames, 11th World Conference on Earthquake Engineering, Acapulco, June 23-28, 1996, p. STS-6 (2051).
40. M.N. FARDIS and T.B. PANAGIOTAKOS, Hysteretic Damping of Reinforced Concrete Elements, 11th World Conference on Earthquake Engineering, Acapulco, June, 1996, p. P-5 (464).
41. T.B. PANAGIOTAKOS and M.N. FARDIS, Seismic Response of Infilled RC Frame Structures, 11th World Conference on Earthquake Engineering, Acapulco, June, 1996, p. P-4 (225).
42. E.C. CARVALHO, E. COELHO and M.N. FARDIS, Assessment of Eurocode 8 Provisions for RC Frames, 11th World Conference on Earthquake Engineering, Acapulco, June, 1996, p. STS-6 (2049).
43. T.B. PANAGIOTAKOS and M.N. FARDIS, Nonlinear Seismic Response Analyses of Infilled R/C Frame Structures, Proc. 2nd National Congress on Computational Mechanics, Chania, June 1996.
44. T.C. TRIANTAFILLOU and M.N. FARDIS, Strength-Based Optimum Design Formulation for Lightweight/High-Strength Concrete Sandwich Panels, Proceedings FIP International Conference on New Technologies in Structural Engineering, Lisbon, July 1997, Vol.1, p.153-160.
45. M.N. FARDIS, Computer-Aided Design of Earthquake Resistant Reinforced Concrete Buildings, Proceedings Worldwide ECCE Symposium on Computers in the Practice of Building and Civil Engineering, Lahti, Finland, September 1997, p. 269-273.
46. M.G. SFAKIANAKIS and M.N. FARDIS, Case Studies of Cooling Tower Assessment and Repair, Proceedings 13th FIP Congress on Challenges for Concrete in the Next Millenium, Amsterdam, May 1998, Balkema, Rotterdam, p. 665-668.
47. M.N. FARDIS, T.P. PANAGIOTAKOS and G.M. CALVI, Seismic Response and Design of Masonry-infilled Reinforced Concrete Buildings, Proceedings 1st Structural Engineers World Congress, San Francisco, July 1998.
48. M.N. FARDIS, Design of R/C Infilled Structures, Proceedings 11th European Conference on Earthquake Engineering, Paris, Sept. 1998.

49. M.N. FARDIS, S.N. BOUSIAS and T.B. PANAGIOTAKOS, Seismic Response and Design of Irregularly Infilled RC Structures, Proceedings 11th European Conference on Earthquake Engineering, Paris, Sept. 1998.
50. T.B. PANAGIOTAKOS and M.N. FARDIS, Deformation-controlled Seismic design of RC structures, Proceedings 11th European Conference on Earthquake Engineering, Paris, Sept. 1998.
51. G. MESCHKE, H.A. MANG, M.N. FARDIS and S.N. BOUSIAS, Retrofitting of a RC Cooling Tower: from Concrete Modelling to Structural Design, ASCE Structures Congress, New Orleans, LA, April, 1999.
52. M.N. FARDIS, Design Provisions for Masonry-Infilled RC Frames, Proceedings 12th World Conference on Earthquake Engineering, Auckland, NZ, Feb. 2000, paper 2553.
53. A. COLOMBO, M.N. FARDIS, J. MOLINA, P. NEGRO, T.B. PANAGIOTAKOS and G. TSIONIS, Pseudodynamic Response of Dual RC Structure with Different Designs, Proceedings 12th European Conference on Earthquake Engineering, Paper No. 297, London, Sept. 2002.
54. S.N. BOUSIAS, L.A. SPATHIS, T.C. TRIANTAFYLLOU and M.N. FARDIS, Seismic Retrofitting of Corrosion-damaged RC Columns, Proceedings 12th European Conference on Earthquake Engineering, Paper No. 431, London, Sept. 2002.
55. T.B. PANAGIOTAKOS, A.J. KOSMOPOULOS and M.N. FARDIS, Displacement-based Seismic Assessment and Retrofit of Reinforced Concrete Buildings, Proceedings of 1st *fib* Congress, Paper No.W-177, Osaka, Oct. 2002.
56. S. BOUSIAS, T. TRIANTAFILLOU, M.N. FARDIS, L. SPATHIS and B. O' REGAN, Experimental Behaviour of Deficient Rectangular Columns with Externally Bonded FRPs, Proceedings of 1st *fib* Congress, Paper No.W-189, Osaka, Oct. 2002.
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58. T. PANAGIOTAKOS and M.N. FARDIS, "Performance of RC Frames Designed to the EN EC8 at Collapse Prevention Level", Paper No. 173, Proceedings, *fib* Symposium: "Concrete Structures in Seismic Regions", Athens, May 2003.
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61. T.B. PANAGIOTAKOS and M.N. FARDIS, Seismic Performance of RC Frame Buildings Designed to the three Ductility Classes of EN1998 (Eurocode 8) or the Greek Codes 2000, International Earthquake Engineering Conference SE-40 (Skopje Earthquake 40 years), Ohrid, F.Y.R.o.M., Aug. 2003.
62. A.I. KOSMOPOULOS and M.N. FARDIS, Seismic Testing of 3-storey Full-scale Torsionally Unbalanced RC Structure: Pre-test Predictions, Design and Analyses of Retrofitting, Proc. 5th International Ph.D Symposium in Civil Engineering, Delft, June 2004, Balkema, Rotterdam, p. 1115-1123.
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64. A. KOSMOPOULOS, S.N. BOUSIAS and M.N.FARDIS, Pilot application of Eurocode 8 – Part 3 for seismic assessment and strengthening (in Greek), 16th Greek National Concrete Conference, Paphos (CY), Oct. 2009, Paper 171107.
65. E. LIOSATOU and M.N.FARDIS, Strength of Flat Slab-Column Connections in Cyclic Loading (in Greek), 16th Greek National Concrete Conference, Paphos (CY), Oct. 2009, Paper 171108.
66. M.N. FARDIS, Codes in the Age of Globalisation (in Greek), Opening Lecture, 16th Greek National Concrete Conference, Paphos (CY), Oct. 2009, Vol. of Keynote Speeches, pp.1-18.

Papers in Non-refereed International Workshops or Seminars

1. M.N. FARDIS, Hydrogen Explosion, 8th Water Reactor Safety Research Information Meeting, U.S. Nuclear Regulatory Commission, Gaithersburg, MD, Oct. 1980.
2. M.N. FARDIS, Hydrogen Loading, 9th Water Reactor Safety Research Information Meeting, U.S. Nuclear Regulatory Commission, Gaithersburg, MD., Oct. 1981.
3. M.N. FARDIS, Nonlinear Analysis of Reinforced Concrete Structures, Proc. 12th Regional Seminar, European Association of Earthquake Engineering, Chalkidiki, Sept. 1985.
4. M.N. FARDIS, Seismic Behaviour of Monumental and Historical Structures, Proc. International Seminar on Historical and Monumental Structures in Seismic Regions, European Center on Forecasting and Prevention of Earthquakes, Santorini, Oct. 1993.
5. M.N. FARDIS, Assessment of Resistance of RC Structures to Lateral Loads, Proceedings, Centro Internazionale di Aggiornamento Sperimentale-Scientifico, International Seminar "Evoluzione Nella Sperimentazione per le Costruzioni, Corinth, April 1998.
6. M.N. FARDIS, European Activities in Seismic Repair and Strengthening of Buildings, Proc. Tubitak-Worldbank Workshop on seismic vulnerability assessment and rehabilitation strategies for Turkey, Ankara, May 2000.
7. M.N. FARDIS, C.S. OLIVEIRA and J.G. BOUWKAMP, Proposed Changes in the Design Rules for Earthquake Resistant Buildings – Part 1 of EC8 – First Draft of prEN1998-1, Proc. of European Commission Workshop "Mitigation of seismic risk - Support to recently affected European countries", Belgirate, November 2000.
8. M.N. FARDIS, Eurocode 8 – Present State, Pre-normative and Co-normative Research Needs (including design seismic actions), Proc. of European Commission Workshop "Mitigation of seismic risk - Support to recently affected European countries", Belgirate, November 2000.
9. M.N. FARDIS, Seismic Retrofit Techniques for Undamaged or Damaged Buildings- Evaluation of Various Alternatives, Twin Workshop "Seismic Assessment and Retrofitting of Buildings", Athens-Istanbul, Technical Chamber of Greece - Istanbul Branch of Turkish Chamber of Civil Engineers (IMO), January 2001.
10. M.N. FARDIS, Displacement-based Seismic Assessment of RC Buildings, Proc. Seminar on Assessment and Upgrading of Concrete and Masonry Structures, European Council for Construction Research, Development and Innovation, Corfu, June 2001.
11. M.N. FARDIS, Concrete Walls in Eurocode 8, AFPS-ACI-JCI post-FraMCoS-4 Workshop: "Seismic loading effects & CAMUS 3 benchmark", Paris, June 2001
12. M.N. FARDIS and T.B. PANAGIOTAKOS, Effect of Design Parameters and Immediate Occupancy Design on Performance of RC Frames at Collapse Prevention Level, Proc. 3rd US-Japan Workshop on Performance-based earthquake engineering methodology for reinforced concrete building structures, Seattle, WA, August 2001.
13. M.N. FARDIS, Displacement-based Seismic Assessment and Retrofit of Reinforced Concrete Buildings, Proc. 20th European Regional Earthquake Engineering Seminar, European Association of Earthquake Engineering, Sion, Sept. 2001

14. M.N. FARDIS, Eurocode 8: Design of structures for earthquake resistance, Consensus Conference on Technical Construction Standards in the Caribbean , Barbados, February 2003
15. T.B. PANAGIOTAKOS and M.N. FARDIS, Performance of RC Frame Buildings Designed for Alternative Ductility Classes According to Eurocode 8 (Final Version, 2003), Proc. 5th US-Japan Workshop on Performance-based Earthquake Engineering methodology for Reinforced Concrete building structures, Hakone, Japan, Sept. 2003.
16. M.N. FARDIS, The Displacement-based Approach in Eurocode 8 (with Emphasis on Assessment of Existing Buildings), IAEA Workshop on Safety Significance of Near-Field Earthquakes, Trieste, March 2004.
17. M.N. FARDIS, Seismic Assessment & Retrofitting of Existing (RC) Buildings According to Eurocode 8, Ministry of Public Works and Resettlement, Workshop on New Turkish Seismic Rehabilitation Code, Ankara, April 2004.
18. M.N. FARDIS, Context of EC8 and Design Actions, SECED - Imperial College, Short Course on Practical Seismic Design, Principles & Application to EC8, London, Sept. 2004.
19. M.N. FARDIS, Seismic Repair and Retrofitting of RC Structures, Invited Lecture, Institution of Civil Engineers, London, Sept. 2004.
20. M.N. FARDIS, Current Developments and Future Prospects of the European Code for Seismic Design and Rehabilitation of Buildings: Eurocode 8, Invited Lecture to International Seminar on Prevention and Protection of Constructions against Seismic Risks, Luso-American Development Foundation (Fundação Luso-Americana para o Desenvolvimento, FLAD), Lisbon, Nov. 2004
21. M.N. FARDIS, Tools for Deformation-Controlled Seismic Design, Assessment and Retrofitting of Concrete Structures, Invited Lecture to International ETH Seminar: Future Challenges in Earthquake Engineering, Institute of Structural Engineering, ETH (Federal Institute of Technology), Zurich, Nov. 2004.
22. M.N. FARDIS, Eurocode 8: Design of structures for earthquake resistance, 1-day ETEK-CYS Course: Eurocodes: Building Codes for Europe, Technical Chamber of Cyprus (ETEK), Nicosia, Cyprus, May 2005.
23. M.N. FARDIS, Design Rules for Seismic Retrofitting with FRPs According to Eurocode 8 and Their Background, fib Short Course: "Retrofitting of Concrete Structures through Externally Bonded FRPs with emphasis on Seismic Applications". Middle-East Technical University, Ankara, June 2005.
24. M.N. FARDIS, Design Rules for Seismic Retrofitting with FRPs According to Eurocode 8 and Their Background, fib Short Course: "Retrofitting of Concrete Structures through Externally Bonded FRPs with emphasis on Seismic Applications", Istanbul Branch of Turkish Chamber of Civil Engineers (IMO), Istanbul, June 2005.
25. M.N. FARDIS, Eurocode 7: Geotechnical Design, 1-day Training Seminar, EU MEDA project,"Support to the Quality Infrastructure in Turkey", Training in Eurocodes, Ministry of Public Works & Settlement, Ankara, June 2005.
26. M.N. FARDIS, Eurocode 8: Design of structures for earthquake resistance, 2-day Training Seminar, EU MEDA project,"Support to the Quality Infrastructure in Turkey", Training in Eurocodes, Ministry of Public Works & Settlement, Ankara, June 2005.
27. M.N. FARDIS, Design Rules for Seismic Retrofitting with FRPs According to Eurocode 8 and Their Background, fib Short Course: "Retrofitting of Concrete Structures through Externally Bonded FRPs with emphasis on Seismic Applications". Sociedad Mexicana de Ingenieria Estructural, A.C., Mexico City, May 2006.
28. M.N. FARDIS, Seismic Input for Design with Eurocode 8, Invited Contribution to Panel Discussion on "Seismic Input for Design"in Common Session 1 (CS1), 1st European Conference on Earthquake Engineering and Seismology (a joint event of the 13th ECEE and the 30th General Assembly of the ESC), Geneva, September 2006.
29. M.N. FARDIS, Seismic Retrofitting of Buildings, Twin Workshop "Production of Buildings in Turkey & Greece", Istanbul - Athens, Technical Chamber of Greece - Istanbul Branch of Turkish Chamber of Civil Engineers (IMO), September 2006.
30. M.N. FARDIS, Eurocode 8: Design of structures for earthquake resistance, Technical Chamber of

Cyprus (ETEK), Nicosia, Cyprus, Nov. 2006.

31. M.N. FARDIS, Eurocode 8 – Buildings – Reinforced Concrete and Masonry, Workshop on the use of the Eurocodes in the Mediterranean Countries, European Commission's JRC and DG Enterprise, Varese, Italy, Nov. 2006.
32. M.N. FARDIS, Eurocode 8 and other seismic design codes, Workshop on the use of the Eurocodes in the Mediterranean Countries, European Commission's JRC and DG Enterprise, Varese, Italy, Nov. 2006.
33. M.N. FARDIS, EN 1998: Eurocode 8 - Design of Structures for Earthquake Resistance, ETEK 2-day training program, Nicosia, June 2007
34. M.N. FARDIS, Displacement- and Performance-Based Seismic Design of Concrete Structures, Keynote Lecture, *fib*-days 2009, Jan. 2010, Kolkata.
35. M.N. FARDIS, Design of concrete buildings - Local effects due to infills - Design and detailing of secondary seismic elements - Provisions for concrete diaphragms, "European Commission Workshop on "Eurocode 8 - Seismic Design of Buildings", Lisbon, Feb. 2011
36. M.N. FARDIS, Retrofitting for seismic loading. "***fib*** course Durability and Retrofitting of Concrete Structures", Nicosia, Apr. 2011
37. M.N. FARDIS, Performance- and Displacement-based Seismic Design of Concrete Structures, La Universidad Autonoma Metropolitana, Conferencias sobre Ingenieria Sismica, Mexico City, June 2012
38. M.N. FARDIS, Seismic Isolation Principles and Practice in the Context of European Standards "PROTA 28th Anniversary Symposium: Seismic Isolation Methods and Practices", Ankara, Feb. 2013
39. M.N. FARDIS, Seismic design, assessment or retrofitting of buildings in Eurocode 8 – Parts 1 & 3, AFAD Workshop on the new Turkish Code, Istanbul, June 2013
40. M.N. FARDIS, Next Eurocode 8 and Performance-based seismic design philosophy "PROTA 30th Anniversary Symposium: New Generation of Seismic Codes and New Technologies in Earthquake Engineering", Ankara, Feb. 2015
41. M.N. FARDIS, Earthquake resistant design according to Eurocode 8, Seoul National University, Seoul, April 2015
42. M.N. FARDIS, Earthquake loads in Eurocode 8 for Low-to-Medium Seismicity Regions "Symposium: Performance-based Seismic Engineering in Low-to-Moderate Seismicity Regions", Architectural Institute of Korea, Seoul, April 2015
43. M.N. FARDIS, Towards a second generation of European Standards on Eurocodes, "4th European Standardisation Summit", Riga, June 2015
44. M.N. FARDIS, Second generation of the Eurocodes – addressing new challenges, "European Forum for Science and Industry – JRC side-event to the Standardization Summit", Riga, June 2015.
45. M.N. FARDIS, Design of concrete buildings for resilience to earthquakes and blast. European Commission Workshop "Guidelines for the Protection of Critical Built Infrastructure", Institute for the Protection and Safety of the Citizen, Joint Research Centre, Ispra, June 2015.
46. M.N. FARDIS, Seismic design of concrete buildings and the Eurocodes – The importance of concrete quality, "TITAN USJE Conference: Influence of building materials on construction quality" Skopje, MK, Sept. 2015
47. M.N. FARDIS, EN 1998-3: Seismic assessment and retrofitting of existing buildings. European Commission Workshop "Elaboration of Maps for Climatic and Seismic Actions for Structural Design in the Balkan Region", Zagreb, Oct. 2015.
48. M.N. FARDIS, Seismic assessment and retrofitting of existing buildings in Eurocode 8 - Part 3 (with emphasis on concrete buildings), Standards Institution of Israel, Tel Aviv, June 2016.
49. M.N. FARDIS, EN 1998-1:2004 (Part 1 of Eurocode 8) Design of Structures for Earthquake Resistance - General rules, Seismic action, rules for buildings" (with emphasis on concrete buildings) , "Workshop: Adoption of Eurocodes for Design of Concrete Structures".Tel Aviv, July 2018
50. M.N. FARDIS, Seismic assessment and retrofitting of buildings in EN 1998-3:2005 (Eurocode 8 - Part 3) (with emphasis on concrete buildings), "Workshop: Adoption of Eurocodes for Design of Concrete Structures".Tel Aviv, July 2018
51. M.N. FARDIS, Application of EN 1990:2002, EN 1991-1-1:2004, EN 1997-1:2004 & EN 1998-1:2004

for the design of a 6-story RC building with two basements (extended Lisbon example), "Workshop: Adoption of Eurocodes for Design of Concrete Structures".Tel Aviv, July 2018

52. M.N. FARDIS, Application of EN 1998-3:2005 (Eurocode 8 - Part 3) to seismic assessment/ retrofitting of concrete buildings, "Workshop: Adoption of Eurocodes for Design of Concrete Structures".Tel Aviv, July 2018
53. M.N. FARDIS, The impact of the Model Codes of CEB/FIP and fib through the Structural Eurocodes as European Standards. Tongji University, Shanghai, Oct. 2018
54. M.N. FARDIS, Structural Eurocodes as European Standards – Eurocode 8 "Design of structures for earthquake resistance", Tongji University, Shanghai, Oct. 2018

Recent Reports

D. BISKINIS and M.N. FARDIS, Deformations of concrete members at yielding and ultimate under monotonic or cyclic loading (including repaired and retrofitted members). Report no. SEE 2009-01 in Report Series in Structural and Earthquake Engineering, University of Patras, Dept. of Civil Engineering, January 2009, ISBN 978-960-89691-6-2, 76p

M.N. FARDIS and G. TSIONIS, Application of EN-Eurocode 8 Part 1 for the seismic design of multistorey concrete buildings. Report no. SEE 2011-01 in Report Series in Structural and Earthquake Engineering, University of Patras, Dept. of Civil Engineering, January 2011, ISBN 978-960-89691-2-4, 245p (translated in Greek: ISBN 978-960-89691-3-1, 226p)

M.N. FARDIS, V. KOLIAS, T. PANAGIOTAKOS, C. KATSARAS, T. PSYCHOGIOS, Guide for bridge design with emphasis on seismic aspects. Report no. SEE 2012-01 in Report Series in Structural and Earthquake Engineering, University of Patras, Dept. of Civil Engineering, January 2012, ISBN 978-960-89691-1-7, 303p (translated in Greek: ISBN 978-960-89691-9-3, 350p).

E. STREPELIAS, M.N. FARDIS, S. BOUSIAS, X. PALIOS, D. BISKINIS, RC frames infilled into RC walls for seismic retrofitting: Design, experimental behavior and modeling, Report no. SEE 2012-02 in Report Series in Structural and Earthquake Engineering, University of Patras, Dept. of Civil Engineering, January 2012, ISBN 978-960-89691-7-9, 48p.

Research Projects in the past 10 years

European Community (EC) projects co-ordinated by M.N. Fardis

- "Seismic Engineering Research Infrastructures for European Synergies (SERIES)" www.series.upatras.gr Grant Agreement N° 227887 - Framework Programme 7; Capacities Specific Programme: Research Infrastructures. Integrating Activity: Combination of Collaborative Project and Coordination & Support Action. 01/03/2009-31/07/2013. Total EC contribution for 23 partners: 8,700,000 €; EC contribution for the University of Patras as the Co-ordinator and one of the partners: 673,202 €.
  M.N. FARDIS was the leader and co-ordinator of the 23-strong Consortium.
- "Advanced Centre of Excellence in Structural and Earthquake Engineering (ACES)" www.aces.upatras.gr. Grant Agreement N° 204697. Framework Programme 7, FP7-REGPOT-2007-1 (Unlocking and developing the research potential in the EU's convergence regions and outermost regions): Support Action. 1/02/2008-31/01/2012. EC contribution for the University of Patras as a single partner: 1,099,999.59 €.
  M.N. FARDIS was the leader and co-ordinator of the project.
- "Seismic Performance Assessment and Rehabilitation (SPEAR)". Contract N° G6RD-CT2001-00525. Framework Programme 6, Growth - Dedicated call April 2000: M&T, Infrastructure 1/09/2001-28/02/2005. Total EC contribution for the 9 partners: 1,344,442 €; EC contribution for the University of Patras as the Co-ordinator and one of the partners: 143,328 €.
  M.N. FARDIS was the leader and co-ordinator of the 9-strong Consortium.

Multi-partner EC projects with M.N. Fardis as Principal Investigator (PI) for the University of Patras

- "Systemic Seismic Vulnerability & Risk Analysis for Buildings, Lifeline Networks & Infrastructures Safety Gain (SYNERG)" Grant Agreement N° 244061, Framework Programme 7, FP7-ENV-2009-1 (ENV.2009.1.3.2.2: Vulnerability assessment of buildings, lifelines systems and networks related to earthquakes): Collaborative project. 1/11/2009-31/3/2013.

EC contribution for the University of Patras as a partner: 200,000 €.

- "Risk Mitigation for Earthquakes & Landslides (LESSLOSS)". Grant agreement no.: 505448. Framework Programme 6: Integrated Project, Research and technological development programme, Integrating and Strengthening the ERA. 1/09/2004-31/08/2007.
  EC contribution for the University of Patras as a partner: 144,900.55 €.
  M.N. FARDIS was the lead technical person for the University of Patras and technical co-ordinator of one of the sub-projects (SP8).
- "Safety Assessment for Earthquake Risk Reduction (SAFERR)". Contract No: HPRN-CT-1999-00035. Framework Programme 6, Improving Human Research Potential. 1/07/2000-31/12/2003.
  EC contribution for the University of Patras as a partner: 110,000 €.

Participation in other multi-partner international projects with M.N.Fardis as PI for the University of Patras team

- "Seismic Vulnerability & Strengthening of Existing Privately-Owned Buildings". Framework Programme for Research, Technological Development & Innovation 2008 of the Research Promotion Foundation of the Republic of Cyprus (RPF's FP 2008). 01/12/2008-30/04/2011.
  Budget for the University of Patras as a partner: 41,800 €.
- "Seismic Assessment and Rehabilitation of Existing Buildings". SfP 977231, NATO Science-for-Peace Programme. 01/06/2001-31/05/2004.
  Budget for the Patras team as a partner: 57,000 €.
  M.N. FARDIS was the lead technical person and Project Co-Director for FORTH/ICE-HT, Patras.

International single-partner projects with M.N.Fardis as PI

- "Co-ordination of the Conversion of ENV 1998 (Eurocode 8) into EN". Contract with the British Standards Institute. 01/03/1999-31/03/2005.
  Budget: 34,264.37 €.

National multi-partner projects with M.N.Fardis as PI for the University of Patras

- "Seismic Protection of Bridges (ASPROGE)". General Secretariat for Research & Technology: 3rd EC Support Framework for Competitiveness - Measure 4.5; Action 4.5.1: Built Environment & Seismic Risk Management. 1/10/2003-31/03/2007.
  Budget for the University of Patras: 96,000 €.

National single-partner projects with M.N.Fardis as PI

- "Paradigm for Resilient Concrete Infrastructures to Extreme Natural or Man-made Threats (PRESCIENT)" Grant ERC-12, General Secretariat for Research & Technology. 29/05/2013-31/10/2015.
  Budget: 1,029,500 €.
- "Experimental Investigation of 4-story RC (Reinforced Concrete) Frames Retrofitted with RC Infilling into RC Walls - Proposals for the Retrofitting Code". Contract with the Earthquake Planning & Protection Organisation. 22/02/2010-31/05/2011.
  Budget: 30,000 € (plus VAT).
- "Investigation of Reinforcement Corrosion at the Municipal Theatre Building "Kefalos" and of the Impact on Structural Adequacy - Strengthening Measures". Contract with the Argostoli Municipality. 13/07/2004-31/10/2007.
  Budget: 50,000 € (plus VAT).
- "Impact of the Detailing of Transverse Reinforcement on the Seismic Performance of Reinforced Concrete Columns". Contract with SIDENOR, S.A. 22/07/2003-22/05/2004.
  Budget: 60,000 € (plus VAT).

National multi-partner projects where M.N.Fardis participated as member of the research team

- "Seismic Vulnerability Assessment of Existing Buildings & Development of Advanced Retrofitting Materials/Techniques (ARISTION)". General Secretariat for Research & Technology: 3rd EC Support

Framework for Competitiveness - Measure 4.5; Action 4.5.1: Built Environment & Seismic Risk Management. 1/10/2003-31/03/2007.
Budget for M.N. FARDIS's participation in the project: 75,000 €.