

## ΒΙΟΓΡΑΦΙΚΟ ΣΗΜΕΙΩΜΑ

### Αθανάσιος Χρ. Τριανταφύλλου

*Καθηγητής Τμήματος Πολιτικών Μηχανικών  
Διευθυντής Εργαστηρίου Μηχανικής και Τεχνολογίας Υλικών  
Πανεπιστήμιο Πατρών, Πάτρα 26504*

Τόπος και Χρόνος Γέννησης: Πάτρα, 1963

### ΕΚΠΑΙΔΕΥΣΗ

- 1987 – 1989 Τεχνολογικό Ινστιτούτο Μασσαχουσέττης (MIT), Διδακτορικό Δίπλωμα (PhD) Πολιτικού Μηχανικού.  
1985 – 1987 Τεχνολογικό Ινστιτούτο Μασσαχουσέττης (MIT), MSc Πολιτικού Μηχανικού.  
1980 – 1985 Πανεπιστήμιο Πατρών, Δίπλωμα Πολιτικού Μηχανικού.

### ΚΥΡΙΕΣ ΑΚΑΔΗΜΑΪΚΕΣ ΘΕΣΕΙΣ

- 1993 – Σήμερα Μέλος ΔΕΠ, Τμήμα Πολιτικών Μηχανικών, Πανεπιστήμιο Πατρών, Διευθυντής του Εργαστηρίου Μηχανικής και Τεχνολογίας Υλικών από το 2002 (σε άδεια 2018-2019).  
1990 – 1993 Assistant Professor, Department of Civil and Environmental Engineering, Τεχνολογικό Ινστιτούτο Μασσαχουσέττης (MIT) (σε άδεια 1992 λόγω στρατιωτικής θητείας).

### ΑΛΛΕΣ ΑΚΑΔΗΜΑΪΚΕΣ ΘΕΣΕΙΣ

- 2020 – Σήμερα Visiting Global Distinguished Professor of Civil and Urban Engineering, New York University Abu Dhabi.  
2005 – 2020 Μέλος ΣΕΠ (Συνεργαζόμενο Εκπαιδευτικό Προσωπικό), Ελληνικό Ανοικτό Πανεπιστήμιο, για την Θεματική Ενότητα ΣΜΑ60 “Σχεδιασμός Αντισεισμικών Κατασκευών” του Προγράμματος “Σεισμική Μηχανική και Αντισεισμικές Κατασκευές” (ΣΜΑ). 2005-2020: Συντονιστής της Θεματικής Ενότητας ΣΜΑ60. 2016-2020: Διευθυντής του Προγράμματος ΣΜΑ.  
2018 – 2019 Professor and Head, Civil and Urban Engineering, New York University Abu Dhabi.  
2009 – 2018 Member of the Faculty Body, ROSE School (Centre for Post-Graduate Training and Research in Earthquake Engineering and Engineering Seismology), and UME (Understanding and Managing Extremes) Centre, Pavia.  
2005 – 2018 Διδάσκων στο Ευρωπαϊκό Διαπανεπιστημιακό Πρόγραμμα Erasmus Mundus MEEES (Masters in Earthquake Engineering and Engineering Seismology).  
2011 – 2013 Διδάσκων στο Ευρωπαϊκό Διαπανεπιστημιακό Πρόγραμμα Erasmus Mundus EU-NICE (Eurasian University Network on International Collaboration in Earthquakes) στο Πανεπιστήμιο Πατρών και στο University of Rome Sapienza.

Καλοκαίρια 1991 και 1990	Visiting Professor, Swiss Federal Laboratories for Materials Testing and Research (EMPA).
Μάιος 1989 – Ιαν. 1990	Post-Doctoral Research Associate, Department of Civil and Environmental Engineering, Τεχνολογικό Ινστιτούτο Μασσαχουσέτης (MIT).
1985 – 1989	Research Assistant, Department of Civil and Environmental Engineering, Τεχνολογικό Ινστιτούτο Μασσαχουσέτης (MIT).

### ΕΠΙΣΤΗΜΟΝΙΚΟ ΠΕΛΔΙΟ

- Προηγμένα δομικά υλικά.
- Ενισχύσεις κατασκευών από οπλισμένο σκυρόδεμα, τοιχοποιία και ξύλο με σύγχρονα υλικά (π.χ. σύνθετα υλικά) και τεχνικές.
- Σύμμικτες κατασκευές χάλυβα-σκυροδέματος, ελαφροβαρή υλικά και δομικά στοιχεία.
- Παρακολούθηση της δομικής υγείας υλικών και κατασκευών.

### ΜΕΛΟΣ ΕΠΙΣΤΗΜΟΝΙΚΩΝ ΚΑΙ ΕΠΑΓΓΕΛΜΑΤΙΚΩΝ ΣΥΛΛΟΓΩΝ

- American Society of Civil Engineers (ASCE)
- American Concrete Institute (ACI)
- fédération internationale du béton (*fib*)
- International Union of Testing and Research Laboratories for Materials and Structures (RILEM)
- International Institute for FRP in Construction (IIFC)
- Ελληνική Επιστημονική Εταιρεία Ερευνών Σκυροδέματος
- Σύλλογος Πολιτικών Μηχανικών της Ελλάδος (ΣΠΜΕ)
- Τεχνικό Επιμελητήριο της Ελλάδος (ΤΕΕ)

### ΜΕΛΟΣ ΕΠΙΣΤΗΜΟΝΙΚΩΝ ΕΠΙΤΡΟΠΩΝ

2014 – Σήμερα	<i>fib</i> , Head of the Greek Delegation and member of the Technical Council.
2016 – Σήμερα	<i>fib</i> (International Federation for Structural Concrete) Task Group 10.1 “Model Code 2020”, Member.
2018 – Σήμερα	Expert Panel on Science and Technology of Constructions and the Built Environment - Fellowships, Flanders Fund for Scientific Research (FWO), Chairman.
2018 – Σήμερα	Τομεακό Επιστημονικό Συμβούλιο Επιστημών Μηχανικού, ΓΓΕΤ, Μέλος.
2019 – Σήμερα	RILEM Technical Committee MCC “Mechanical Characterization and Structural Design of Textile Reinforced Concrete”, Member.
2019 – Σήμερα	RILEM Technical Committee IMC “Durability of Inorganic Matrix Composites used for Strengthening of Masonry Constructions”, Member.
2016 – Σήμερα	<i>fib</i> Task Group 3.4 “Selection and Implementation of Interventions”, Member.
2016 – Σήμερα	American Concrete Institute Committee 549 “Thin Reinforced Cementitious Products and Ferrocement”, Member.
2014 – Σήμερα	ELOT/TC67 “Eurocodes”, Μέλος.
2014 – Σήμερα	<i>fib</i> Task Group 5.1 “FRP Reinforcement for Concrete Structures”, Member, Convenor of Sub-Group on “Externally Applied Reinforcement”.
2014 – Σήμερα	CEN/TC250/WG4 “Fibre Reinforced Polymer Structures”, Member.
2012 – Σήμερα	CEN/TC250/SC2/WG1/Task Group 1 “Strengthening and Reinforcing with Fibre Reinforced Polymers”, Member.

- 2010 – Σήμερα International Institute for FRP in Construction (IIFC), Member of the International Advisory Committee.
- 2009 – Σήμερα *fib* Special Activity Group 6 “Composite Concrete-Steel Structures”, Corresponding Member.
- 1993 – Σήμερα American Concrete Institute Committee 440 “Fiber Reinforced Polymer Reinforcement”, Associate Member. Subcommittee 440-F (Repair), Member.
- 2017 – 2019 Επιτροπή Ειδικών Συμβούλων του ΟΑΣΠ για τον Κανονισμό Αποτίμησης και Δομητικών Επεμβάσεων σε Υφιστάμενα Κτίρια από Φέρουσα Τοιχοποιία (ΚΑΔΕΤ), Μέλος.
- 2012 – 2019 RILEM Technical Committee 250-CSM “Composites for Sustainable Strengthening of Masonry”, Member.
- 2013 – 2018 Expert Panel on Science and Technology of Constructions and the Built Environment, Flanders Fund for Scientific Research (FWO), Member.
- 2016 – 2018 ΕΛΙΑΔΕΚ (Ελληνικό Ίδρυμα Έρευνας και Καινοτομίας), Μέλος ΓΣ.
- 2003 – 2017 International Institute for FRP in Construction, Member of the Council.
- 2009 – 2016 RILEM Technical Committee 234-DUC “Design Procedures for the Use of Composites in Strengthening of Reinforced Concrete Structures”, Member.
- 1996 – 2014 *fib* Commission 9, Task Group 9.3 “FRP Reinforcement for Concrete Structures”, Member, Convenor of Sub-Group on “Externally Bonded Reinforcement”.
- 2009 – 2013 RILEM Technical Committee 232-TDT “Test Methods and Design of Textile Reinforced Concrete”, Member.
- 2007 – 2013 *fib*, Deputy of the Greek Delegation and member of the Technical Council.
- 2008 – 2012 *fib* Special Activity Group 5 “Model Code 2010”, Invited Expert.
- 2007 – 2012 RILEM Technical Committee 223-MS “Masonry Strengthening with Composite Materials”, Member.
- 2004 – 2008 RILEM Technical Committee “FRP-Concrete Bond in Structural Strengthening and Rehabilitation”, Member.
- 2003 – 2008 RILEM Technical Committee 201-TRC “Textile Reinforced Concrete”, Member.
- 2004 Επιτροπή Ειδικών Συμβούλων του Ο.Α.Σ.Π. για τον Κανονισμό Επεμβάσεων σε Υφιστάμενα Κτίρια από Ωπλισμένο Σκυρόδεμα (ΚΑΝΕΠΕ), Μέλος.
- 2000 – 2003 *fib* Commission 7, Task Group 7.1 “Assessment and Retrofit of Existing Structures”, Member.
- 1999 – 2002 IABSE Technical Committee, Working Group 23 on “Application of New Materials in Structural Engineering”, Member.
- 1995 – 1998 COST C1 (Civil Engineering Structural Connections), Polymeric Composites Working Group 7 (EU-supported Committee), Member.
- 1991 – 1998 American Society of Civil Engineers - Materials Engineering Division, Technical Committee for Structural Composites and Plastics, Member.
- 1995 – 1997 Τεχνικό Επιμελητήριο της Ελλάδος - Τμ. Δυτ. Ελλάδος: (α) Περιφερειακό Συμβούλιο Τεχνολογικής Εκπαίδευσης, (β) Επιτροπή Εκπαίδευσης – Επιμόρφωσης.

### ΔΕΙΚΤΕΣ ΕΡΕΥΝΗΤΙΚΗΣ ΑΠΗΧΗΣΗΣ

- Citations: 12173 (Google Scholar, 15/07/2020).
- h-index: 50 (Google Scholar, 15/07/2020).

## ΕΠΙΣΤΗΜΟΝΙΚΑ ΒΡΑΒΕΙΑ

6. IIFC (International Institute for FRP in Construction) Medal of outstanding research impact (2010).
5. Golden Mirko Roš Medal for life's work in the field of Materials and Engineering Science (2007), Swiss Federal Laboratories for Materials Testing and Research (EMPA).
4. Best Basic Research Paper Award in 2003, *ASCE Journal of Composites for Construction*, for the paper: Antonopoulos, C. P. and Triantafillou, T. C. (2003). "Experimental Investigation of FRP-Strengthened RC Beam-Column Joints", 7(1), 39-49.
3. Honorable Mention Applied Research Paper Award in 2002, *ASCE Journal of Composites for Construction*, for the paper (names in alphabetical order): Bakis, C. E., Bank, L. C., Brown, V. L., Cosenza, E., Davalos, J. Lesko, J. J., Machida, A., Rizkalla, S. H., and Triantafillou, T. C. (2002). "Fiber-Reinforced Polymer Composites for Construction – State-of-the-Art Review", 6(2), 73-87.
2. Best Research Paper Award in 1997, *ASCE Journal of Materials in Civil Engineering*, for the paper: Triantafillou, T. C. (1997). "Shear Reinforcement of Wood Using FRP Materials", 9(2), 65-69.
1. Fulbright Senior Research Award, 1996.

## EDITOR & EDITORIAL BOARDS ΣΕ ΠΕΡΙΟΔΙΚΑ

- *Journal of Composites for Construction* (ASCE), Associate Editor (2019 – today), International Editorial Board (1999 – 2019).
- *Journal of Composites Science*, Associate Editor (2016 – today).
- *Structural Concrete* (Journal of the fib), Editorial Advisory Board, (2018 – today).
- *Earthquakes and Structures*, International Editorial Board, (2014 – today).
- *International Review of Civil Engineering*, International Editorial Board, (2010 – today).
- *NED University Journal of Research*, International Editorial Board, (2014 – today).
- *Bulletin of the Polytechnic Institute of Jassy* (Romania), Section Construction and Architecture, International Editorial Board, (2008 – today).
- *International Journal of Sustainable Materials and Structural Systems*, International Editorial Board, (2012 – 2018).
- *Journal of Textiles*, International Editorial Board, (2012 – 2016).
- *Journal of Materials in Civil Engineering* (ASCE), Guest Editor of Special Issue 13(2), Mar/Apr 2001. Editorial on "Fracture Mechanics in Concrete Repair/Strengthening".

## ΛΟΙΠΕΣ ΔΙΑΚΡΙΣΕΙΣ

- >110 διαλέξεις κατόπιν προσκλήσεως σε Πανεπιστήμια και άλλους φορείς της αλλοδαπής και της ημεδαπής.
- Member of the International Advisory Board, Institute for Sustainability and Innovation in Structural Engineering (ISISE), funded by the Portuguese Science Foundation, 2014-2020.
- Member of the Catalonia Universities Faculty Selection Committee, 2017-2018, 2019-2020.
- International Liaison to the Project Advisory Committee of the ASCE project "Pre-Standard for Load Resistance Factor Design (LRFD) of Pultruded Fiber Reinforced Polymer (FRP) Structures", 2008-2010.
- Επιλεγμένος διοργανωτής του Διεθνούς Συνεδρίου FRPRCS-8 (Fiber Reinforced Polymers in Reinforced Concrete Structures – 8) για το 2007, το οποίο διεξάγεται ανά διετία εκ περιτροπής στις ηπείρους Αμερική, Ευρώπη, Ασία.

- Εθνικός “Εμπειρογνώμων” ορισθείς από την ΓΓΕΤ για την διετία 2004-2006 για το 6<sup>ο</sup> Πρόγραμμα Πλαίσιο Τεχνολογίας, Ανάπτυξης και Επιδείξης της Ευρωπαϊκής Ένωσης, στην περιοχή “Ειδικά θέματα που αφορούν στο σύνολο του 1<sup>ου</sup> ειδικού προγράμματος και στις ειδικές δραστηριότητες”.
- Προσκεκλημένος εμπειρογνώμων για την αξιολόγηση της Έρευνας στα ΑΕΙ της Λιθουανίας (Research and Higher Education Monitoring and Analysis Centre - MOSTA), 2015.
- Προσκεκλημένος εμπειρογνώμων για την αξιολόγηση της Έρευνας στα ΑΕΙ και Ερευνητικά Κέντρα της Ιταλίας (VQR 2004-2010), 2012-2013.
- Προσκεκλημένος εμπειρογνώμων για την αξιολόγηση της Έρευνας στα ΑΕΙ και Ερευνητικά Κέντρα της Λετονίας (Latvian Ministry of Education and Science), 2013.
- Προσκεκλημένος εμπειρογνώμων από το Ministry of Education, Youth and Sports της Δημοκρατίας της Τσεχίας για την αξιολόγηση: (α) του Advanced Building Materials, Structures and Technologies Centre, Brno University of Technology (2015), (β) του West Bohemian Centre of Materials and Metallurgy (2014), (γ) του Transportation Research Centre (2014) και (δ) του Centre for Advanced Materials Research in Brno University of Technology (2013).
- Προσκεκλημένος κριτής για την αξιολόγηση των αποτελεσμάτων τριών ερευνητικών προγραμμάτων της Ευρωπαϊκής Επιτροπής στα πλαίσια του FP7.
- Προσκεκλημένος κριτής για την αξιολόγηση ερευνητικών προτάσεων στα πλαίσια προγραμμάτων των: European Commission (Horizon 2020, Eurostars-Eureka, EIT RawMAterials, FP7, FP6, Growth, Brite/Euram), USA (NSF), Italy (MURST - Italian Ministry of University and Research, Cariplo Foundation), Hong Kong (Research Grants Council), Australia (Australian Research Council), Belgium (Fund for Scientific Research – Flanders), Portugal (Portuguese Foundation for Science and Technology), Israel (Israel Science Foundation), Canada (NSERC), Cyprus (Research Foundation), Poland (Polish-Norwegian Research Programme), the Czech Republic (Technology Agency of the Czech Republic), Slovenia (Research Agency), Qatar (National Research Fund), Romania (Executive Agency for Higher Education, Research, Development and Innovation Funding), Latvia (Latvian Council of Science), Oman, Saudi Arabia, German-Israeli Foundation for Scientific Research and Development, ERA-NET, ERA-MIN, ERA-NET RUS και Εθνικών (ΓΓΕΤ, ΕΛΙΔΕΚ, ΥΠΕΠΘ, ΙΚΥ, ΕΜΠ).
- Επιλεγμένος (κατόπιν εισηγήσεως) από το European Council for Construction Research, Development and Innovation (ECCREDI) και την Ευρωπαϊκή Ένωση (DG XII) Συντονιστής (Cluster Co-ordinator) δραστηριοτήτων των Ευρωπαϊκών Ερευνητικών Προγραμμάτων στην περιοχή “Improved Performance of Concrete in Structures”, στα πλαίσια του Προγράμματος “Targeted Research Action (TRA) - Environmentally Friendly Construction Technologies (EFCT)”, 1997 - 2001.
- Συντονιστής της διοργάνωσης διήμερου μαθήματος της Διεθνούς Ομοσπονδίας Σκυροδέματος (*fib* course) με θέμα “Strengthening with Externally Bonded FRP Reinforcement – Behaviour, Design and Applications”, Divani Caravel, Αθήνα, 4-5 Μαΐου 2003.
- Workshops on International Research on Advanced Composites in Construction (IRACC 96, 97, 98, 99), Bologna, Sapporo, Naples, Cincinnati, Invited Delegate.
- Reviewer of 703 papers in 102 International Journals [*in ( ) the number of reviews*]:
 

ACI Materials Journal	(8)	International J. of Structural Engineering	(1)
ACI Special Publication	(7)	International Journal of Structural Integrity	(2)
ACI Structural Journal	(43)	International Journal of Technology	(1)
Advanced Composites Letters	(19)	International Journal of Thermal Sciences	(1)
Advances in Civil Engineering	(3)	Iranian Journal of Science and technology	(1)
Advances in Concrete Construction	(1)	Journal of Applied Mathematics	(1)
Advances in Materials Science and Engineering	(1)	Journal of Advanced Concrete Technology	(5)
Advances in Structural Engineering	(7)	Journal of Bridge Engineering (ASCE)	(4)
Ain Shams Engineering Journal	(1)	Journal of Building Engineering	(2)
Applied Composite Materials	(1)	J. of Civil Engineering & Construction Technology	(1)
Applied Sciences	(1)	J. of Composites for Construction (ASCE)	(128)
Arabian J. for Science and Engineering	(1)	Journal of Composite Materials	(6)

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|---|------|--|------|
| Bridge Engineering                                  | (2)  | Journal of Composites Science                    | (2)  |
| Buildings   | (2)  | Journal of Composites Tech. and Research         | (1)  |
| Bulletin of Earthquake Engineering                  | (4)  | J. of Cultural Heritage                          | (5)  |
| Canadian Journal of Civil Engineering               | (6)  | Journal of Earthquake Engineering                | (8)  |
| Cement and Concrete Composites                      | (4)  | Journal of Engineered Fibers and Fabrics         | (1)  |
| Composites Engineering                              | (1)  | Journal of Engineering Mechanics (ASCE)          | (5)  |
| Composites Part A: Appl. Sc. & Manufact.            | (3)  | Journal of Engineering Research                  | (1)  |
| Composites Part B: Engineering                      | (21) | Journal of Marine Science and Engineering        | (1)  |
| Composites Science & Technology                     | (5)  | J. of Materials in Civil Engineering (ASCE)      | (23) |
| Composite Structures                                | (17) | Journal of Materials Science                     | (1)  |
| Computer-Aided Civil and Infrastructure Engineering | (1)  | J. of Mechanics of Materials and Structures      | (1)  |
| Computers and Concrete                              | (1)  | J. of Sandwich Structures and Materials          | (1)  |
| Computers and Structures                            | (2)  | J. of Seismology and Earthquake Engineering      | (1)  |
| Concrete International                              | (1)  | Journal of Structural Engineering (ASCE)         | (32) |
| Construction and Building Materials                 | (45) | Journal of Textile Science and Engineering       | (1)  |
| Construction Materials (ICE)                        | (2)  | Journal of Zhejiang University – Science A       | (1)  |
| Earthquake Engineering & Engineering Vibration      | (2)  | Korean Society of Civil Engineering Journal      | (5)  |
| Earthquake Engineering & Structural Dynamics        | (1)  | Kuwait Journal of Science and Engineering        | (1)  |
| Earthquake Spectra                                  | (1)  | Materials  | (2)  |
| Earthquakes and Structures                          | (13) | Materials and Structures (RILEM)                 | (43) |
| Engineering & Computational Mechanics               | (2)  | Mathematical Problems in Engineering             | (1)  |
| Engineering Failure Analysis                        | (1)  | Nanomaterials                                    | (2)  |
| Engineering Journals                                | (1)  | Ned University Journal of Research – Materials   | (1)  |
| Engineering Science and Technology                  | (1)  | Philosophical Magazine A                         | (1)  |
| Engineering Structures                              | (63) | Polymers   | (1)  |
| European J. of Environmental and Civil Engineering  | (1)  | Pract. Period. on Str. Des. and Constr. (ASCE)   | (3)  |
| European Journal of Mechanics – A/Solids            | (1)  | Research Letters in Materials Science            | (1)  |
| Experimental Mechanics                              | (1)  | Smart Structures and Systems                     | (1)  |
| Fibers  | (3)  | Soil Dynamics and Earthquake Engineering         | (5)  |
| Finite Elements in Analysis and Design              | (1)  | Steel and Composite Structures                   | (2)  |
| Frattura ed Integrita Strutturale                   | (1)  | Structural Concrete ( <i>fib</i> )               | (38) |
| Ingenieria e Investigacion                          | (2)  | Structural Engineering and Mechanics             | (6)  |
| Int. J. of Concrete Struct. and Materials           | (2)  | Structural Engineering International (IABSE)     | (4)  |
| International J. of Engineering                     | (1)  | Structure and Infrastructure Engineering         | (3)  |
| Intern. J. of Forensic Engineering                  | (1)  | Structures and Buildings                         | (4)  |
| International Journal of Fracture                   | (1)  | Structures                                       | (1)  |
| Int. J. of Masonry Research and Innovation          | (1)  | Sustainability                                   | (1)  |
| Int. J. of Mater. and Product Technology            | (1)  | Technika Chronika                                | (15) |
| International Journal of Polymer Science            | (1)  | The Arabian J. for Science and Engineering       | (1)  |
| International J. of Solids and Structures           | (8)  | The Scientific World Journal – Civil Engineering | (2)  |
- Member of International Editorial Board of the book “Seismic Assessment and Rehabilitation of Historic Structures”, published by IGI Global, 2015.
  - Κριτής βιβλίου: ASTM STP 1323 “Composite Materials in Non-Aerospace Applications”.
  - Κριτής 6 προτάσεων βιβλίων (3 για την Elsevier, 2 για την John Wiley & Sons, 1 για την Woodhead Publishing).
  - Υποτροφίες MIT (Research and Teaching Assistantships), 1985-1989.
  - Υποτροφία Ιδρύματος Fulbright (*απενεμήθη αλλά δεν έγινε αποδεκτή*), 1985.
  - Υποτροφίες IKY, 1981-1985.

## ΔΙΔΑΣΚΑΛΙΑ ΜΑΘΗΜΑΤΩΝ

### (α) Προπτυχιακά

- Structures Laboratory (MIT)
- Design of Concrete and Steel Structures (MIT)
- Δομικά Υλικά (Παν. Πατρών)
- Μηχανική των Υλικών (Παν. Πατρών)
- Εισαγωγή στη Μηχανική των Υλικών (Παν. Πατρών)
- Σύμμικτες Κατασκευές (Παν. Πατρών)
- Προηγμένες Τεχνολογίες Υλικών και Κατασκευών (Παν. Πατρών)
- Εισαγωγή στην Επιστήμη του Πολιτικού Μηχανικού (εν μέρει) (Παν. Πατρών)
- Structural Systems (New York U. Abu Dhabi)
- Advanced Structural Systems (New York U. Abu Dhabi)

### (β) Μεταπτυχιακά

- Behavior and Design of Steel Structures (MIT)
- Innovative Structural Technologies (MIT)
- Advanced Materials and Retrofit Technologies (Παν. Πατρών & ROSE School, Pavia)
- Σύγχρονα Δομικά Υλικά και Εφαρμογές (Παν. Πατρών)
- Προχωρημένη Μηχανική των Υλικών (Παν. Πατρών)
- Αντισεισμικός Σχεδιασμός Κατασκευών (Ελλ. Ανοικτό Πανεπιστ.)

### (γ) Μαθήματα βραχείας διάρκειας

- Strengthening and Seismic Retrofitting of Concrete and Masonry Structures with Textile-based Materials (Politecnico di Milano)
- Strengthening and Seismic Retrofitting with Advanced Composites (Univ. of Rome Sapienza)
- Confinement and Seismic Retrofitting with FRP (Univ. of Ghent)
- Strengthening and Seismic Retrofitting of RC Structures with FRP (*fib* Courses)

## ΔΗΜΟΣΙΕΥΣΕΙΣ

### (α) Βιβλία

- B9. *Combined Seismic and Energy Upgrading of Existing Buildings using Advanced Materials*, JRC Technical Report, 2019, 65 pages. (co-authors: Gkournelos, D. P., Bournas, D. A. and Triantafillou, T. C.).
- B8. *Δομικά Υλικά*, Εκδόσεις GOTSIS, 2017, 488 σελ.
- B7. *Σύμμικτες Κατασκευές*, Εκδόσεις GOTSIS, 2016, 318 σελ.
- B6. *Μηχανική των Υλικών*, Εκδόσεις GOTSIS, 2015, 392 σελ.
- B5. *Ενισχύσεις Κατασκευών Οπλισμένου Σκυροδέματος με Σύνθετα Υλικά*, Εκδόσεις GOTSIS, 2003, 110 σελ., περιλαμβάνεται CD με Πρόγραμμα Διαστασιολόγησης Ενισχύσεων.
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**(στ) Keynote Papers**

21. Triantafyllou, T. C. (2020) “Integrated Structural and Energy Retrofitting of Existing Structures using Textile-based Cementitious Composites”, *XXII International Construction Forum “Cement, Concrete, Dry Mixtures”*, Moscow, November 10-12.
20. Triantafyllou, T. C. (2020) “Smart Seismic and Energy Retrofitting of Structures using Textile-based Composites”, *2020 International Conference on Frontiers of Smart Materials and Structures (CFSMS 2020)*, Athens, Greece, January 10-12.
19. Triantafyllou, T. C. (2019) “Innovative System for the Combined Structural and Energy Retrofitting of Existing Structures using Advanced Composite Materials”, *1<sup>st</sup> International Conference on Basalt Fibers and Composites (ICBFC-2019)*, Nanjing/Hengshui, China, November 16-18.
18. Τριανταφύλλου, Αθ. (2019) “Ολοκληρωμένο Σύστημα Συνδυασμένης Αντισεισμικής και Ενεργειακής Αναβάθμισης Υφισταμένων Κατασκευών με Προηγμένα Υλικά”, *4<sup>ο</sup> Πανελλήνιο Συνέδριο Αντισεισμικής Μηχανικής και Τεχνικής Σεισμολογίας*, Αθήνα, September 5-7.
17. Triantafyllou, T. C. (2018) “Innovative Prefabricated System for Combined Structural and Energy Retrofitting of Buildings”, *5<sup>th</sup> International Conference Precast Housing Production, Design and Construction*, Moscow, November 28-30.
16. Τριανταφύλλου, Αθ. Τ. (2018) “Ενίσχυση Οπλισμένου Σκυροδέματος με Σύνθετα Υλικά Ινοπλεγμάτων”, *18<sup>ο</sup> Πανελλήνιο Συνέδριο Σκυροδέματος*, Αθήνα, 29-31 Μαρτίου.
15. Triantafyllou, T. C. (2017) “Textile-reinforced cementitious materials in structural and energy retrofitting of concrete structures”, *9<sup>th</sup> International Symposium on Cement and Concrete*, Wuhan, China, October 31 – November 3.
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13. Koutas, L. N., Triantafyllou, T. C. and Bousias, S. N. (2015) “Seismic Retrofitting of a Three-storey Masonry-infilled RC Frame with Textile-Reinforced Mortar (TRM)”, *12<sup>th</sup> International Symposium on Fiber Reinforced Polymers for Reinforced Concrete Structures (FRPRCS-12) & 5<sup>th</sup> Asia-Pacific Conference on Fiber Reinforced Polymers in Structures (APFIS-2015)*, Nanjing, China, December 14-16.
12. Triantafyllou, T. C. (2012) “Textile-based Cementitious Composites versus Fiber Reinforced Polymers (FRP) as Strengthening and Seismic Retrofitting Materials of Reinforced Concrete Structures”, *4<sup>th</sup> International Scientific and Technical Conference on the Construction, Operation and Repair of Concrete and Reinforced Concrete Structures of Transport Facilities (ReCon2012)*, Moscow, November 28-30.
11. Triantafyllou, T. C. and Papanicolaou, C. (2012) “Innovative Applications of Textile-based Composites in Strengthening and Seismic Retrofitting as well as in the Prefabrication of New Structures”, *1<sup>st</sup> International Conference on Advances in Civil Infrastructure Engineering*, Changsha, Hunan, China, September 14-16.
10. Triantafyllou, T. C. (2012) “Textile-based Composites versus FRP as Strengthening and Seismic Retrofitting Materials of Concrete and Masonry Structures”, *3<sup>rd</sup> International Conference on Concrete Repair, Rehabilitation and Retrofitting*, Cape Town, South Africa, September 5-7.
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5. Triantafillou, T. C. and Bournas, D. A. (2008) “Innovative Seismic Upgrading of RC Columns in Flexure with NSM Reinforcement and Textile-based Jacketing”, *4<sup>th</sup> International Conference on FRP Composites in Civil Engineering*, Zurich, Switzerland, July 22-24.
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#### **(ζ) Άρθρα σε Πρακτικά Συνεδρίων με Κριτές**

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127. Bedirhanoglou, I., Ilki, A. and Triantafillou, T. (2019) “Effect of Pre-damage on the Seismic Behaviour of FRP Retrofitted Sub-standard Short Columns”, *7<sup>th</sup> Asia-Pacific Conference on FRP in Structures (APFIS 2019)*, Surfers Paradise, Gold Coast, Australia, December 10-13.
126. Papanicolaou, C. and Triantafillou, T. (2019) “Performance of TRM/TRC Systems under Elevated Temperatures and Fire Conditions”, *ACI Fall Convention*, Cincinnati, Ohio, October 20-24.
125. Γκουρνέλος, Π., Μπουρνάς, Δ. και Τριανταφύλλου, Αθ. (2019) “Συνδυασμένη Σεισμική και Ενεργειακή Αναβάθμιση Υφισταμένων Κατασκευών με Προηγμένα Υλικά”, *4<sup>ο</sup> Πανελλήνιο Συνέδριο Αντισεισμικής Μηχανικής & Τεχνικής Σεισμολογίας*, Αθήνα, September 5-7
124. Kapsalis, P., Tysmans, T., Verbruggen, S. and Triantafillou, T. (2018) “Preliminary High-temperature Tests of Textile Reinforced Concrete”, paper in *Proceedings of 18<sup>th</sup> International Conference of Experimental Mechanics*, Brussels, Belgium, July 1-5.
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122. Karlos, K. and Triantafillou, T. (2018) “Innovative Integrated Seismic and Energy Retrofitting System for Masonry Walls using Textile Reinforced Mortars Combined with Thermal Insulation”, paper ID 11935, *16<sup>th</sup> European Conference on Earthquake Engineering*, Thessaloniki, Greece, June 18-21.
121. Kapsalis, P., Vervloet, J., Tsangouri, E., Verbruggen, S., Aggelis, D., Tysmans, T. and Triantafillou, T. (2018) “Investigation of the Bond Properties Between Textile Reinforced Concrete and Extruded Polystyrene Foam”, *12<sup>th</sup> fib International PhD Symposium in Civil Engineering*, Prague, Czech Republic, August 29-31.



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114. Pantazopoulou, S., Tastani, S., Thermou, G. and Triantafyllou, T. C. (2017) “Performance-Based Seismic Retrofitting of RC Structures with FRPs – A Background to European Provisions”, *16<sup>th</sup> World Conference on Earthquake Engineering*, Santiago, Chile, January 9-13.
113. Κούτας, Α., Τριανταφύλλου, Αθ. και Μπούσιας, Ε. (2016) “Αντισεισμική Ενίσχυση Τοιχοπληρωμένων Πλαισίων Οπλισμένου Σκυροδέματος με Μανδύες Ινοπλεγμάτων σε Ανόργανη Μήτρα: Πειραματική και Αναλυτική Μελέτη”, *17<sup>ο</sup> Πανελλήνιο Συνέδριο Σκυροδέματος*, Θεσσαλονίκη, 10-12 Νοεμβρ.
112. Τζουρά, Ε. και Τριανταφύλλου, Αθ. (2016) “Ενίσχυση Πλακοδοκών σε Ανακυκλιζόμενη Τέμνουσα με Μανδύες Τύπου Ινοπλέγματος”, *17<sup>ο</sup> Πανελλήνιο Συνέδριο Σκυροδέματος*, Θεσσαλονίκη, 10-12 Νοεμβρ.
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108. Tzoura, E. and Triantafyllou, T. C. (2015) “Shear Strengthening of Reinforced Concrete T-beams under Cyclic Loading with TRM or FRP Jackets”, *12<sup>th</sup> International Symposium on Fiber Reinforced Polymers for Reinforced Concrete Structures (FRPRCS-12) & 5<sup>th</sup> Asia-Pacific Conference on Fiber Reinforced Polymers in Structures (APFIS-2015)*, Nanjing, China, December 14-16.
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106. Papalou, A., Roubien, D., Triantafyllou, T. and Strepelias, E., (2015) “A Passive Control Methodology for Seismic Safety Enhancement of Monumental Structures”, *SPIE Smart Structures/NDE 2015*, San Diego, March 8-12.
105. Papalou, A., Strepelias, E., Roubien, D., Bousias, S. and Triantafyllou, T. (2014) “Vibration Control of Classical Columns Using Particle Dampers”, *26<sup>th</sup> International Conference on Noise and Vibration Engineering – ISMA2014*, Leuven, September 15-17.

104. Providakis, C., Stefanaki, K., Triantafillou, T., Voutetaki, M., Tsompanakis, J., Stavroulaki, M., Karabalis, D. and Papanicolaou, C. (2014) "Damage Identification Approach using a Combination of Electromechanical Admittance and Guided Wave Techniques", *6<sup>th</sup> World Conference on Structural Control and Monitoring*, Barcelona, July 15-17.
103. Papalou, A., Strepelias, E., Roubien, D., Bousias, S. and Triantafillou, T. (2014) "Seismic Response of Monuments using Particle Dampers", *6<sup>th</sup> World Conference on Structural Control and Monitoring*, Barcelona, July 15-17.
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101. Koutas, L., Bousias, S. N. and Triantafillou, T. C. (2014) "In-plane Behaviour of a Three-storey Masonry Infilled RC Frame", *4<sup>th</sup> International fib Congress*, Mumbai, February 10-14.
100. Bournas, D. A. and Triantafillou, T. C. (2013) "Modeling of Biaxial Bending in RC Columns Strengthened with Externally Applied Reinforcement in Combination with Confinement", *11<sup>th</sup> International Symposium on Fiber Reinforced Polymers for Reinforced Concrete Structures (FRPRCS-11)*, Guimaraes, June 26-28.
99. Koutas, L., Pitytzogia, A., Triantafillou, T. C. and Bousias, S. N. (2013) "Strengthening of Infilled Reinforced Concrete Frames with Textile-Reinforced Mortar (TRM): A Study on the Development and Testing of Textile-based Anchors", *11<sup>th</sup> International Symposium on Fiber Reinforced Polymers for Reinforced Concrete Structures (FRPRCS-11)*, Guimaraes, June 26-28.
98. Kolyvas, C., Bal, I. E., Bernakos, A. and Triantafillou, T. (2013) "Advanced Composite Mortar System for Strengthening of Historical Masonry", *2<sup>nd</sup> Conference on Smart Monitoring, Assessment and Rehabilitation of Civil Structures*, Istanbul, September 9-11.
97. Kolyvas, C., Bal, I. E., Bernakos, A. and Triantafillou, T. (2012) "Design Examples of a Textile Mortar System for Strengthening of Historical Masonry Structures", *10<sup>th</sup> International Congress on Advances in Civil Engineering*, Ankara, October 17-19.
96. Faggella, M., Monti, G., Braga, F., Gigliotti, R., Capelli, M., Spacone, E., Laterza, M., Triantafillou, T., Varum, H., Dost Safi, M., Subedi, J., Dixit, A., Lodi, S., Rahman, Z., Limkatanyu, S., Xiao, Y., Yingmin, L., Kumar, H., Salvatore, W., Cecchini, A. and Lukkunaprasit, P. (2012) "EU-NICE, Eurasian University Network for International Cooperation in Earthquakes – A Development Cooperation Erasmus Mundus Partnership for Capacity Building in Earthquake Mitigation Science and Higher Education", *15<sup>th</sup> World Conference in Earthquake Engineering*, Lisbon, September 24-28.
95. Faggella, M., Monti, G., Braga, F., Gigliotti, R., Spacone, E., Laterza, M., Triantafillou, T., Varum, H., Dost Safi, M., Subedi, J., Dixit, A., Lodi, S., Rahman, Z., Limkatanyu, S., Xiao, Y., Yingmin, L., Kumar, H., Salvatore, W., Cecchini, A. and Lukkunaprasit, P. (2012) "EU-NICE, Eurasian University Network for International Cooperation in Earthquakes – A Development Cooperation Erasmus Mundus Partnership for Capacity Building in Earthquake Mitigation Science and Higher Education", *International Disaster and Risk Conference (IDRC)*, Davos, August 26-30.
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18. Triantafillou, T. C. (1997) "New Technologies for Strengthening Reinforced Concrete Members in Shear Using FRP Reinforcement", *IABSE Conf. on New Technologies in Structural Engineering*, Lisbon, Portugal, July 3-5.
17. Τριανταφύλλου, Αθ. Χ. (1997) "Έρευνητικές Δραστηριότητες στον Τομέα Κατασκευών του Τμήματος Πολιτικών Μηχανικών του Πανεπιστημίου Πατρών", Πανελλήνιο Συνέδριο των Τμημάτων Πολιτικών Μηχανικών, Θεσσαλονίκη, 14-17 Μαΐου.
16. Τριανταφύλλου, Αθ. Χ. (1996) "Ενίσχυση Στοιχείων Οπλισμένου Σκυροδέματος σε Διάτμηση με Σύνθετα Υλικά", *12ο Ελληνικό Συνέδριο Σκυροδέματος*, Λεμεσός Κύπρου, 29-31 Οκτ.
15. Παπαδάκης, Ε. Γ., Κατσαφάδος, Η., Χρήστου, Ζ. Ν., Τριανταφύλλου, Αθ. Χ., Φαρδής, Μ. Ν. και Βαγενάς, Κ. Γ. (1996) "Ανάπτυξη Σκυροδέματος Υψηλής Ανθεκτικότητας με Χρήση Ελληνικών Τεχνητών Ποζολανών", *12ο Ελληνικό Συνέδριο Σκυροδέματος*, Λεμεσός Κύπρου, 29-31 Οκτ.
14. Triantafillou, T. C. (1996) "Innovative Strengthening of Masonry Monuments with Composites", *CSCE 2nd Int. Conf. on Advanced Composite Materials in Bridges and Structures*, Montreal, Quebec, Canada, Aug. 11-14.
13. Triantafillou, T. C. (1995) "Innovative Applications of Composite Materials in Construction", *Comp'95 - High Technology Composites in Modern Applications*, Corfu, Greece, Sept. 18-22.
12. Triantafillou, T. C. and Plevris, N. (1995) "Reliability Analysis of Reinforced Concrete Beams Strengthened with CFRP Laminates", *Second International Symposium on Non-Metallic (FRP) Reinforcement for Concrete Structures*, Ghent, Belgium, Aug. 23-25.
11. Triantafillou, T. C. and Fardis, M. N. (1995) "Strengthening of Historic Masonry Structures with Fibre Reinforced Plastic Composites", *Structural Studies, Repairs and Maintenance of Historical Buildings (STREMA) 95*, Chania, Greece, May 22-24.
10. Triantafillou, T. C. (1994) "New Fiber Reinforced Plastic Structural Elements in Combination with Concrete", *1st International Conference on Composites Engineering*, New Orleans, LA, Aug. 28-31.
9. Τριανταφύλλου, Αθ. Χ. (1994) "Ενισχύσεις Κατασκευών Σκυροδέματος με Ινοπλισμένα Πλαστικά Υλικά", *11ο Ελληνικό Συνέδριο Σκυροδέματος*, Κέρκυρα, 18-20 Μαΐου.
8. Triantafillou, T. C. and Fardis, M. N. (1993) "Advanced Composites as Strengthening Materials of Historic Structures", *IABSE Symp. on Structural Preservation of the Architectural Heritage*, Rome, Italy, Sept. 15-17.
7. Phelan, R. S. and Triantafillou, T. C. (1992) "Low Cost Maglev Guideway Design Using Hybrid FRP-Reinforced Concrete", *ASCE Int. Conf. on High Speed Ground Transportation (HSGT) Systems*, Lake Buena Vista, FL, Oct. 25-28.
6. Triantafillou, T. C. and Meier, U. (1992) "Innovative Design of FRP Combined with Concrete", *CSCE 1st Int. Conf. on Advanced Composite Materials in Bridges and Structures*, Sherbrooke, Quebec, Canada, Oct. 7-9.
5. Triantafillou, T. C., Plevris, N. and Deskovic, N. (1992) "Nonprestressed and Prestressed FRP Sheets as External Reinforcement of Wood Members", *Proc. ASCE Mater. Engrg. Congr., Materials: Performance and Prevention of Deficiencies and Failures*, Atlanta, GA, Aug. 10-12.

4. Triantafillou, T. C., Deskovic, N. and Deuring, M. (1991) “Strengthening of Concrete Structures with Prestressed FRP Sheets”, *ACI Convention, Tech. Session on Innovative Rehabilitation Technology for the 21st Century*, Boston, MA, March 17-21.
3. Triantafillou, T. C. and Plevris, N. (1991) “Post-strengthening of R/C Beams with Epoxy-Bonded Fiber-Composite Materials”, *ASCE Spec. Conf. on Advanced Composites for Civil Engineering Structures*, Las Vegas, NV, Jan. 31 - Feb. 1.
2. Triantafillou, T. C. and Gibson, L. J. (1990) “Multiaxial Failure Criteria for Cellular Materials”, *Mater. Res. Soc. Fall Meeting, Symp. I on Mechanical Properties of Porous and Cellular Materials*, Boston, MA, Nov. 26-27.
1. Triantafillou, T. C. and Gibson, L. J. (1988) “Failure Mode Maps for Sandwich Panels”, *ASCE-Engrg. Mech. Div. 7th Spec. Conf.*, Blacksburg, VA, May 22-25.

#### **(η) Άρθρα σε Πρακτικά Workshops (Κατόπιν Προσκλήσεως)**

14. Triantafillou, T. C. (2016) “Seismic Retrofitting of Concrete and Masonry Structures with Composites”, Proc. of International Workshop on *FRP Seismic Retrofitting*, French Association of Civil Engineering, Lyon, 19-20 Sept.
13. Tzoura, E. A., Laory, I., Triantafillou, T. C., Choutopoulou, E., Kollia, K. and Basheer, P. A. M. (2016) “Damage Detection of Concrete Elements Retrofitted with TRM or FRP Jackets: A Comparison Between Equivalent Strengthening Systems”, Proc. of International Workshop *Civil Structural Health Monitoring (CSHM-6)*, Queens University Belfast, 26-27 May.
12. Tzoura, E. A., Choutopoulou, E. G., Triantafillou, T. C., Providakis, C., Tsantilis, A., Papanicolaou, C. G. and Karabalis, D. L. (2015). “Damage Detection of Reinforced Concrete Elements Retrofitted with FRP by Using a Wireless Measurement System”, Proc. of 8<sup>th</sup> International Workshop *NDT Experts*, Prague, 12-14 Oct.
11. Koutas, L., Bousias, S. and Triantafillou, T. (2014) “Seismic Retrofitting Masonry-infilled RC Structures via TRM”, Proc. of International Workshop *Large-scale and On-site Structural Testing for Seismic Performance Assessment*, Istanbul, 20 Oct.
10. Triantafillou, T. (2010) “Innovative Textile-based Cementitious Composites for Retrofitting of Concrete Structures”, Proc. of International ACES Workshop *Innovative Materials and Techniques in Concrete Construction*, Corfu, 11-12 Oct.
9. Bournas, D. and Triantafillou, T. (2009) “Innovative Seismic Retrofitting of RC Columns using Advanced Composites”, Proc. of International ACES Workshop *Advances in Performance-Based Earthquake Engineering*, Corfu, 4-7 July.
8. Triantafillou, T. C. (2008) “Textile-Reinforced and Polymer-Modified Mortars: A New Generation of Composite Materials for Strengthening and Seismic Retrofitting of Structures”, Proc. of International Workshop *Polymeric and Composite Materials: A Vision for the Future*, organized by IMAST, Capri, 26-27 Sept.
7. Triantafillou, T. C. (2004) “On the Use of Advanced Composites as Strengthening Materials of Historic Masonry, Timber, Metal and Concrete Structures”, Proc. of International Workshop *Preservation of Historic Structures with Composites*, Lecce, June 9-10.
6. Triantafillou, T. C. and Matthys, S. (2001) “Flexural Strengthening with Externally Bonded FRP Reinforcement”, Proc. of International Workshop on *Composites in Construction – A Reality*, joint ASCE-ACI publication, edited by E. Cosenza, G. Manfredi and A. Nanni, Capri, July 20-21.
5. Matthys, S. and Triantafillou, T. C. (2001) “Shear and Torsion Strengthening with Externally Bonded FRP Reinforcement”, Proc. of International Workshop on *Composites in Construction – A Reality*, joint ASCE-ACI publication, edited by E. Cosenza, G. Manfredi and A. Nanni, Capri, July 20-21.
4. Triantafillou, T. C. (2001) “Strengthening of Concrete and Masonry Structures with Externally Bonded FRP Reinforcement – Design Guidelines for Flexure, Shear and Confinement”, Proc. of Workshop on *Assessment and Upgrading of Concrete and Masonry Structures*, organized by the European Council for Construction Research, Development and Innovation, Corfu, Greece, June 22-23.
3. Henriksen, A., Triantafillou, T. C., Grumbach, M. and Poyhonen, I. (1998) “Development and Quality of Materials and Structures”, Proc. of 2<sup>nd</sup> Annual Workshop on *Environmentally Friendly*



- Construction Technologies*, organized by the European Council for Construction Research, Development and Innovation, Brussels, Nov. 16-17.
2. Triantafyllou, T. C. (1997) “Concrete Technology in Europe”, Proc. of 1<sup>st</sup> Annual Workshop on *Environmentally Friendly Construction Technologies*, organized by the European Council for Construction Research, Development and Innovation, Toulouse, France, Oct. 30-31.
  1. Triantafyllou, T. C. (1995) “An Innovative Application of Composite Materials in Construction”, Proc. of 1<sup>st</sup> Israeli workshop on *Composite Materials for Civil Engineering Construction*, Haifa, Israel, May 28-29, ed. by L. C. Bank and M. Ben-Bassat.

### ΜΕΛΟΣ ΕΠΙΣΤΗΜΟΝΙΚΩΝ ΕΠΙΤΡΟΠΩΝ ΣΥΝΕΔΡΙΩΝ

151. Fibre Polymer Composites in Construction (FPCC), Southampton, UK, Member of International Scientific Committee, September 2021.
150. 13<sup>th</sup> International Symposium on ferrocement and Thin Fiber Reinforced Inorganic Matrices (FERRO13), Lyon, France, Member of International Scientific Committee, June 2021.
149. *fib* Symposium 2021 on Concrete Structures: New Trends for Eco-Efficiency and Performance, Lisbon, Portugal, Member of International Scientific Committee, June 2021.
148. *fib* International Conference on Concrete Sustainability, Prague, Czech Republic, Member of International Scientific Committee, Sept. 2020.
147. ConMat’20 – 6<sup>th</sup> International Conference on Construction Materials, Fukuoka, Japan, Member of International Scientific Committee, Aug. 2020.
146. 17<sup>th</sup> IB2MaC – 17<sup>th</sup> International Brick and Block Masonry Conference, Cracow, Poland, Member of International Scientific Committee, July 2020.
145. CICE 2020 - 10<sup>th</sup> International Conference on FRP Composites in Civil Engineering, Istanbul, Member of International Scientific Committee, July 2020.
144. REHABEND 2020 – 8<sup>th</sup> Euro-American Congress on Construction Pathology, Rehabilitation Technology and Heritage Management, Granada, Spain, Member of International Scientific Committee, March 2020.
143. ICBFC-2019 – 1<sup>st</sup> International Conference on Basalt Fibers and Composites, Nanjing, China, Member of International Scientific Committee, Nov. 2019.
142. 4<sup>ο</sup> Πανελλήνιο Συνέδριο Αντισεισμικής Μηχανικής και Τεχνικής Σεισμολογίας, Μέλος Επιστημονικής Επιτροπής, Πρόεδρος Συνεδριών “Ενεργειακός Σχεδιασμός Κτιρίων και Αντισεισμική Συμπεριφορά” και “Κατασκευές από Τοιχοποιία: Αποτίμηση & Επεμβάσεις για Σεισμικά Φορτία”, Σεπτ. 2019.
141. ACIC 2019 – 9<sup>th</sup> International Conference on Advanced Composites in Construction, Birmingham, UK, Member of International Scientific Committee, Sept. 2019.
140. HSTAM2019 – 12<sup>th</sup> Conference of the Hellenic Society of Theoretical and Applied Mechanics, Thessaloniki, Greece, Member of International Scientific Committee, Sept. 2019.
139. SMAR2019 – 5<sup>th</sup> International Conference on Smart Monitoring, Assessment and Rehabilitation of Civil Structures, Potsdam, Germany, Member of International Scientific Committee, Aug. 2019.
138. FRPRCS-14 – 14<sup>th</sup> International Symposium on Fiber-Reinforced Polymer Reinforcement of Concrete Structures, Belfast, Member of International Scientific Committee, June 2019.
137. CONSEC 2019 - 9<sup>th</sup> International Conference on Concrete under Severe Conditions – Environment & Loading, Porto Alegre, Brazil, Member of International Scientific Committee, June 2019.
136. CCE2019 – 15<sup>th</sup> International Conference on Computational Civil Engineering, Iasi, Romania, Member of International Scientific Committee, May 2019.

135. *fib* Symposium 2019 – Innovations in Materials, Design and Structures, Cracow, Poland, Member of International Scientific Committee, May 2019.
134. RILEM Spring Convention 2019 and SMSS2019 – International Conference on Sustainable Materials, Systems and Structures, Member of International Scientific Committee for the Segment “Durability, Monitoring and Repair of Structures”, March 2019.
133. 1<sup>st</sup> SACEE 2019 – 1<sup>st</sup> South Asia Conference on Earthquake Engineering, Member of International Scientific Committee, Febr. 2019.
132. IWAMISSE 2018 - International Workshop on Advanced Materials and Innovative Systems in Structural Engineering: Seismic Practices, Istanbul, Member of International Scientific Committee, Nov. 2018.
131. NYUAD 2018 – New York University Abu Dhabi Research Conference 2018, Member of Program Committee.
130. 5<sup>th</sup> International *fib* Congress 2018, Melbourne, Australia, Member of International Scientific Committee, Oct. 2018.
129. 1<sup>st</sup> International Conference on Transdisciplinary Multispectral Modelling and Cooperation for the Preservation of Cultural Heritage, Athens, Member of International Scientific Committee, Oct. 2018.
128. SAHC 2018 – 11<sup>th</sup> International Conference on Structural Analysis of Historical Constructions, Cusco, Peru, Member of International Scientific Committee, Sept. 2018.
127. CICE 2018 - 9<sup>th</sup> International Conference on FRP Composites in Civil Engineering, Paris, Member of International Scientific Committee, July 2018.
126. FERRO12 – 12<sup>th</sup> International Symposium on Ferrocement and Thin Reinforced Composites, Belo Horizonte, Minas Gerais, Brazil, Member of International Scientific Committee, July 2018.
125. 16<sup>th</sup> European Conference on Earthquake Engineering, Thessaloniki, Greece, Member of International Scientific Committee, Chairman of Session “Seismic Design and Analysis of Reinforced Concrete Buildings (I)”, June 2018.
124. REHABEND 2018 – Euro-American Congress on Construction Pathology, Rehabilitation Technology and Heritage Management, Caceres, Spain, Member of International Scientific Committee, May 2018.
123. 18<sup>ο</sup> Συνέδριο Σκυροδέματος, Αθήνα, Μέλος Επιστημονικής Επιτροπής, Μάρτιος 2018.
122. MMS 2017 – International Conference on Mechanics and Materials Science, Guangzhou, China, Member of International Technical Program Committee, Dec. 2017.
121. CORASS 2017 – 2<sup>nd</sup> International Conference on Recent Advances in Nonlinear Models – Design and Rehabilitation of Structures, Coimbra, Portugal, Member of International Scientific Committee, Nov. 2017.
120. SMAR2017 – 4<sup>th</sup> Conference on Smart Monitoring, Assessment and Rehabilitation of Civil Structures, Zurich, Switzerland, Member of International Scientific Committee, Sept. 2017.
119. SHCC4 – Strain Hardening Cement-Based Composites, Dresden, Germany, Member of International Scientific Committee, Chairman of Session “Material Design and Mechanical Testing (TRC)”, Sept. 2017.
118. ACIC2017 – International Conference on Advanced Composites in Construction, Sheffield, UK, Member of International Scientific Committee, Sept. 2017.
117. ISERCI2017 – International Symposium for Emerging Researchers in Composites for Infrastructure, Wollongong, Australia, Member of International Scientific Committee, July 2017.
116. APFIS2017 – 7<sup>th</sup> Asia-Pacific Conference on Fiber Reinforced Polymers in Structures, Singapore, Member of International Scientific Committee, July 2017.
115. *fib* Symposium 2017 – High Tech Concrete: Where Technology and Engineering Meet, Maastricht, The Netherlands, Member of International Scientific Committee, June 2017.

114. CCE2017 – Computational Civil Engineering, Iasi, Romania, International Scientific Committee, May 2017.
113. MCEBM2017 – International Conference on Mechanics, Civil Engineering and Building Materials, Member of Technical Program Committee, Apr. 2017.
112. CICE 2016 - 8<sup>th</sup> International Conference on FRP Composites in Civil Engineering, Hong Kong, China, Member of International Scientific Committee, Dec. 2016.
111. 17<sup>ο</sup> Πανελλήνιο Συνέδριο Κατασκευών από Σκυρόδεμα, Θεσσαλονίκη, Μέλος Επιστημονικής Επιτροπής, Μέλος Προεδρείου της Συνεδρίας “Σύνθετα Υλικά”, Νοεμβρ. 2016.
110. CINPAR 2016 – XII<sup>th</sup> International Conference on Structural Repair and Rehabilitation, Porto, Portugal, Member of International Scientific Committee, Oct. 2016.
109. MCE2016 – 2<sup>nd</sup> International Conference on Mechanics and Control Engineering, Guangzhou, China, Member of Technical Program Committee, Oct. 2016.
108. CONSEC 2016 – 8<sup>th</sup> International Conference on Concrete under Severe Conditions – Environment & Loading, Lecco, Italy, Member of International Scientific Committee, Sept. 2016.
107. ACMBS-VII - 7<sup>th</sup> International Conference on Advanced Composite Materials in Bridges and Structures, Vancouver, British Columbia, Canada, Member of International Scientific Committee, Aug. 2016.
106. REHABEND 2016 – Euro-American Congress on Building Pathology, Rehabilitation Technology and Heritage Management, Burgos, Spain, Member of International Scientific Committee, Dec. 2015.
105. FRPRCS-12 & APFIS-2015 – Joint 12<sup>th</sup> International Symposium on Fiber Reinforced Polymers for Reinforced Concrete Structures and 5<sup>th</sup> Asia-Pacific Conference on Fiber Reinforced Polymers in Structures, Nanjing, China, Member of International Scientific Committee, Chairman of Session “Keynote Lecture 1”, Chairman of Session “Characterization of FRP / Durability”, Dec. 2015.
104. PLSE 2015 – 2<sup>nd</sup> International Conference on Performance-based and Life-cycle Structural Engineering, Brisbane, Australia, Member of International Scientific Committee, Dec. 2015.
103. ICCRRR 2015 – 4<sup>th</sup> International Conference on Concrete Repair, Rehabilitation and Retrofitting, Leipzig, Member of International Scientific Committee, Oct. 2015.
102. ACIC 2015 - Advanced Composites in Construction, Cambridge, Member of International Scientific Committee, Sept. 2015.
101. SMAR2015 – 3<sup>rd</sup> Conference on Smart Monitoring, Assessment and Rehabilitation of Civil Structures, Antalya, Turkey, Member of International Scientific Committee, Sept. 2015.
100. ConMat’15 – 5<sup>th</sup> International Conference on Construction Materials: Performance, Innovations and Structural Implications, Whistler, BC, Canada, Member of International Technical Committee, Aug. 2015.
99. ACE2015 – 2<sup>nd</sup> International Symposium on Advances in Civil Infrastructure Engineering, Vietri sul Mare, Italy, Member of International Scientific Committee, June 2015.
98. RehabStructures 2015 – International Conference on Recent Advances in Rehabilitation and Sustainability of Structures, Ponta Delgada Azores, Portugal, Member of International Scientific Committee, June 2015.
97. Ferro 11 and 3<sup>rd</sup> ICTRC - 11<sup>th</sup> Ferrocement and 3<sup>rd</sup> International Conference on Textile Reinforced Concrete, Aachen, Germany, Member of International Scientific Committee, June 2015.
96. HPFRCC7 – 7<sup>th</sup> International Workshop on High Performance Fiber Reinforced Cement Composites, Member of International Committee, June 2015.
95. ACMSM23 - 23<sup>rd</sup> Australasian Conference on the Mechanics of Structures and Materials, Byron Bay, Australia, Member of the International Scientific Committee, Dec. 2014.

94. CICE 2014 – 7<sup>th</sup> International Conference on FRP Composites in Civil Engineering, Vancouver, Canada, Member of International Scientific Committee, Aug. 2014.
93. ACE 2014 - 11<sup>th</sup> International Congress on Advances in Civil Engineering, Istanbul, Member of International Scientific Committee, Oct. 2014.
92. 4<sup>th</sup> International fib Congress 2014, Mumbai, Member of International Scientific Committee, Febr. 2014.
91. ACIC 2013 – Advanced Composites in Construction, Belfast, Member of International Scientific Committee, Sept. 2013.
90. SMAR 2013 – 2<sup>nd</sup> International Conference on Smart Monitoring, Assessment and Rehabilitation of Civil Structures, Istanbul, Member of International Scientific Committee, Sept. 2013.
89. FRPRCS-11 – 11<sup>th</sup> International Symposium on Fiber Reinforced Polymer Reinforcement for Concrete Structures, Guimaraes, Portugal, Member of International Scientific Committee, Chairman of Session “Keynote Lecture 1”, June 2013.
88. *fib* Symposium – Engineering a Concrete Future: Technology, Modeling and Construction, Tel-Aviv, Israel, Member of International Scientific Committee, Apr. 2013.
87. 7<sup>th</sup> International Conference on Concrete under Severe Conditions, Nanjing, China, Member of International Scientific Committee, 2013.
86. PLSE 2012 – 1<sup>st</sup> International Conference on Performance-based and Life-cycle Structural Engineering, Hong Kong, Member of International Scientific Committee, Dec. 2012.
85. CECOM 2012 – Civil Engineering Infrastructure based on Polymer Composites, Krakow, Poland, Member of International Advisory Committee, Nov. 2012.
84. ICACIE 2012 – International Conference on Advances in Infrastructure Engineering, Changsha, China, Member of International Scientific Committee, Chairman of Session “Keynote and Invited Lectures –Sept. 16”, Sept. 2012.
83. ACMBS-VI – 6<sup>th</sup> International Conference on Advanced Composite Materials in Bridges and Structures, Kingston, Ontario, Canada, Member of International Scientific Committee, May 2012.
82. CICE 2012 – 6<sup>th</sup> International Conference on FRP Composites in Civil Engineering, Rome, Italy, Member of International Scientific Committee, Chairman of Session “Bond”, June 2012.
81. ACIC 2011 – Advanced Composites in Construction, Warwick, Member of International Scientific Committee, Sept. 2011.
80. HPRCC-6 – International Workshop on High-Performance Fiber Reinforced Cement Composites, Ann Arbor, Michigan, Member of the International Committee, June 2011.
79. NDTMS-2011 – International Symposium on Nondestructive Testing of Materials and Structures, Istanbul, Member of International Scientific Committee, May 2011.
78. FRPRCS-10 - 10<sup>th</sup> International Symposium on Fiber Reinforced Polymer Reinforcement for Concrete Structures, Tampa, Florida, Member of International Steering Committee, Member of International Scientific Committee, Apr. 2011.
77. 1<sup>st</sup> Middle East Conference on Smart Monitoring, Assessment and Rehabilitation of Civil Structures, Dubai, Member of International Scientific Committee, Febr. 2011.
76. CICE 2010 – 5<sup>th</sup> International Conference on FRP Composites in Civil Engineering, Beijing, China, Member of International Scientific Committee, Chairman of Session “Flexural Strengthening of Concrete Beams and Slabs”, Sept. 2010.
75. CONSEC’10 – Sixth International Conference on Concrete under Severe Conditions - Environment and Loading, Merida, Yucatan, Mexico, Member of International Scientific Committee, June 2010.
74. 8<sup>th</sup> International Symposium on Conservation of Monuments in the Mediterranean Basin, Patras, Member of Organizing Committee, May – June 2010.

73. *fib2010* - 3rd Congress of the International Federation for Structural Concrete (fib), Washington DC, Member of the Scientific Committee, Chairman of Sessions “Building Systems - Strengthening and Repair” and “Engineering and Design - Fire”, May – June 2010.
72. APFIS 2009 – Asia-Pacific Conference on FRP in Structures, Seoul, Korea, Member of International Scientific Committee, Dec. 2009.
71. 16<sup>ο</sup> Συνέδριο Σκυροδέματος, Κύπρος, Μέλος Επιστημονικής Επιτροπής, Μέλος Προεδρείου της Συνεδρίας “Επισκευές και Ενισχύσεις”, Οκτ. 2009.
70. ACIC 2009 – Advanced Polymer Composites for Structural Applications in Construction, Edinburgh, Member of International Scientific Committee, Sept. 2009.
69. ConMat’09 – 4<sup>th</sup> International Conference on Construction Materials: Performance, Innovations and Structural Implications, Nagoya, Japan, Member of International Advisory Board, Aug. 2009.
68. FRPRCS-9 - 9<sup>th</sup> International Symposium on Fiber Reinforced Polymers for Reinforced Concrete Structures, Sydney, Australia, Member of International Steering Committee, Member of International Scientific Committee, July 2009.
67. 11<sup>th</sup> Canadian Masonry Symposium, Toronto, Member of International Scientific Committee, May – June 2009.
66. MuRiCo3 – Mechanics of Masonry Structures Strengthened with Composite Materials, Venezia, Italy, Member of International Advisory Committee, Apr. 2009.
65. 3<sup>ο</sup> Πανελλήνιο Συνέδριο Αντισεισμικής Μηχανικής και Τεχνικής Σεισμολογίας, Αθήνα, Μέλος της Επιστημονικής Επιτροπής, Νοεμβρ. 2008.
64. ACMBS-V – 5<sup>th</sup> International Conference on Advanced Composite Materials in Bridges and Structures, Winnipeg, Canada, Member of International Scientific Committee, Sept. 2008.
63. CICE 2008 – 4<sup>th</sup> International Conference on FRP Composites in Civil Engineering, Zurich, Switzerland, Member of International Advisory Committee, Chairman of Session “Externally Bonded FRP for Confinement 3”, July 2008.
62. MESC-5 – 5<sup>th</sup> Middle East Conference on the Use of Structural Composites in Infrastructure Applications, Hurgada, Egypt, Member of International Scientific Committee, May 2008.
61. 1<sup>ο</sup> Πανελλήνιο Συνέδριο Δομικών Υλικών και Στοιχείων, Αθήνα, Μέλος της Επιστημονικής Επιτροπής, Συντονιστής Στρογγυλής Τράπεζας με θέμα “Ανάπτυξη Νέων Υλικών – Προηγμένα Δομικά Υλικά”, Μάιος 2008.
60. CCC 2008 – International Conference on Composites in Construction, Porto, Portugal, Member of International Scientific Committee, Apr. 2008.
59. APFIS 2007 – The Inaugural Asia-Pacific Conference on FRP in Structures, Hong Kong, Member of International Scientific Committee, Dec. 2007.
58. 1ο Εθνικό Διεπιστημονικό Συνέδριο «Ιστορία των Δομικών Κατασκευών», Πολυτεχνική Σχολή ΔΠΘ, Ξάνθη, Μέλος της Επιστημονικής Επιτροπής, Οκτ. 2007.
57. FRPRCS-8 - 8<sup>th</sup> International Symposium on Fiber Reinforced Polymers for Reinforced Concrete Structures, Patras, Chairman of Organizing Committee, Member of International Steering Committee, Member of Scientific Committee, Chairman of Session “Textile Reinforcement and Cement-Based Composites”, July 2007.
56. HPFRCC5 – High Performance Fiber Reinforced Cement Composites, International Workshop, Mainz, Germany, Member of International Committee, July 2007.
55. CONSEC’07 - 5<sup>th</sup> international Conference on Concrete under Severe Conditions of Environment and Loading, Tours, France, Member of International Advisory Committee, June 2007.
54. 3<sup>rd</sup> International Conference on Durability & Field Applications of FRP Composites for Construction, Member of International Scientific Committee, May 2007.

53. ACIC 2007 – Advanced Polymer Composites for Structural Applications in Construction, Bath, Member of International Scientific Committee, Apr. 2007.
52. CICE 2006 – 3<sup>rd</sup> International Conference on FRP Composites in Civil Engineering, Miami, Florida, USA, Member of International Scientific Committee, Dec. 2006.
51. 15<sup>ο</sup> Συνέδριο Σκυροδέματος, Αλεξανδρούπολη, Μέλος Επιστημονικής Επιτροπής, Μέλος Προεδρείου της Συνεδρίας “Σκυρόδεμα και Περιβάλλον”, Οκτ. 2006.
50. 1<sup>st</sup> ICTRC 2006 – 1<sup>st</sup> International RILEM Conference on Textile Reinforced Concrete, Chairman of Session “Existing and Future Applications I”, Sept. 2006.
49. 2<sup>nd</sup> International fib Congress, Naples, Chairman of Sessions “Modelling and Design” and “FRP Reinforcement for New and Existing Structures”, June 2006.
48. MCM-2006 – 14<sup>th</sup> International Conference on Mechanics of Composite Materials, Riga, Latvia, Member of International Scientific Committee, June 2006.
47. CEIS 2006 – International Conference on Civil Engineering Infrastructure Systems, American University of Beirut, Lebanon, Member of International Scientific Committee, June 2006.
46. International Symposium on Bond Behaviour of FRP in Structures, Hong Kong, Member of International Scientific Committee, Dec. 2005.
45. 7<sup>th</sup> International Symposium (FRPRCS-7) on Fiber Reinforced Polymers for Reinforced Concrete Structures, Kansas City, Missouri, Member of International Scientific Committee, Chairman of Session “Strengthening of Masonry Structures”, Nov. 2005.
44. ConMat’05 – 3<sup>rd</sup> International Conference on Construction Materials: Performance, Innovations and Structural Implications, Vancouver, Member of International Advisory Committee, Aug. 2005.
43. CCC 2005 – International Conference on Composites in Construction, Lyon, Member of International Scientific Committee, July 2005.
42. ERES 2005 – 5<sup>th</sup> International Conference on Earthquake Resistant Engineering Structures, Skiathos, Member of International Scientific Advisory Committee, May – June 2005.
41. MESC-4 – 4<sup>th</sup> Middle East Conference on the Use of Structural Composites in Infrastructure Applications, Alexandria, Egypt, Member of International Scientific Committee, May 2005.
40. CICE 2004 – 2<sup>nd</sup> International Conference on FRP Composites in Civil Engineering, Adelaide, Australia, Member of International Advisory Committee, Dec. 2004.
39. ACMBS-IV – 4<sup>th</sup> International Conference on Advanced Composite Materials in Bridges and Structures, Calgary, Alberta, Canada, Member of International Scientific Committee, July 2004.
38. IMTCR-04 – International Conference on Innovative Materials and Technologies for Construction and Restoration, Lecce, Member of International Scientific Committee, June 2004.
37. MCM-2004 – 13<sup>th</sup> International Conference on Mechanics of Composite Materials, Riga, Latvia, Member of International Scientific Committee, May 2004.
36. ACIC 2004 – Advanced Polymer Composites for Structural Applications in Construction, Surrey, Member of International Scientific Committee, Chairman of Session “Strengthening of Concrete Structures 1”, Apr. 2004.
35. 14<sup>ο</sup> Συνέδριο Σκυροδέματος, Κως, Μέλος Επιστημονικής Επιτροπής, Μέλος Προεδρείου της Συνεδρίας “Διαστασιολόγηση”, Οκτ. 2003.
34. CCC 2003 – International Conference on Composites in Construction, Rende (Calabria), Member of International Scientific Committee, Sept. 2003.
33. FRPRCS-6 – 6<sup>th</sup> International Symposium on Fiber Reinforced Polymers for Reinforced Concrete Structures, Singapore, Member of International Scientific Committee, July 2003.
32. *fib* Symposium - Concrete Structures in Seismic Regions, Athens, Co-Chairman of Session “Seismic Design: Bridges”, May 2003.
31. 5<sup>th</sup> International Symposium on Advanced Composites, Corfu, Member of International Scientific Committee, May 2003.

30. JEC Composites Show – Focus Construction 2003, Paris, Chairman, Apr. 2003.
29. ICCI-03 – 3<sup>rd</sup> International Conference on Composites in Infrastructure, San Francisco, Member of International Scientific Committee, June 2002.
28. XII International Conference on Mechanics of Composite Materials – MCM 2002, Riga, Latvia, Member of International Scientific Committee, June 2002.
27. 2<sup>nd</sup> International Conference on Durability of Fiber Reinforced Polymer (FRP) Composites for Construction, Montreal, Member of International Scientific Committee, May 2002.
26. JEC Composites Show – Focus Construction 2002, Paris, Chairman, Apr. 2002.
25. ACIC 2002 – Advanced Polymer Composites for Structural Applications in Construction, Southampton, Member of International Scientific Committee, Apr. 2002.
24. CICE 2001 – 1<sup>st</sup> International Conference on FRP Composites in Civil Engineering, Hong Kong, Member of International Advisory Committee, Chairman of Session “Strengthening of Historic and Masonry Structures”, Dec. 2001.
23. 2<sup>o</sup> Πανελλήνιο Συνέδριο Αντισεισμικής Μηχανικής και Τεχνικής Σεισμολογίας, Θεσσαλονίκη, Μέλος Επιστημονικής Επιτροπής, Νοεμβρ. 2001.
22. CCC 2001 – International Conference on Composites in Construction, Porto, Member of International Scientific Committee, Chairman of Session “Design Rules and Quality Control”, Oct. 2001.
21. 5<sup>th</sup> Annual Workshop on Environmentally Friendly Construction Technologies, Rimini, Chairman of Session “Environmentally Friendly Materials”, Oct. 2001.
20. FRPRCS-5 – 5<sup>th</sup> International Symposium on Fiber Reinforced Polymers for Reinforced Concrete Structures, Cambridge, UK, Member of International Scientific Committee, Chairman of Session “Externally Bonded Flexural Reinforcement”, July 2001.
19. 8<sup>th</sup> Euroseminar on Microscopy Applied to Building Materials, Athens, Member of International Scientific Committee, Chairman of Session “Cement and Concrete”, Sept. 2001.
18. 1<sup>o</sup> Ελληνικό Συνέδριο Συνθέτων Υλικών Σκυροδέματος, Ξάνθη, Μέλος Επιστημονικής και Οργανωτικής Επιτροπής, Προεδρείο Συνεδρίασης “Τεχνολογία και Ιδιότητες Ινοπλισμένου Σκυροδέματος. Μέθοδοι Πειραματικού Προσδιορισμού των Μηχανικών Ιδιοτήτων των Σύνθετων Υλικών Σκυροδέματος”, Νοεμβρ. 2000.
17. 4<sup>th</sup> Annual Workshop on Environmentally Friendly Construction Technologies, Prague, Chairman of Session “High Performance Materials”, Oct. 2000.
16. Technology Transfer Seminar on Advanced FRP Materials for Civil Structures, Bologna, Member of International Scientific Committee, Chairman of Session “Case Studies”, Oct. 2000.
15. International Conference on Technology Watch and Innovation in the Construction Industry, Brussels, Member of International Scientific Committee, Apr. 2000.
14. FRPRCS-4 – 4<sup>th</sup> International Symposium on Fiber Reinforced Polymers for Reinforced Concrete Structures, Baltimore, Chairman of Session “Shear Performance of FRP Reinforcement”, Oct. 1999.
13. 3<sup>rd</sup> Annual Workshop on Environmentally Friendly Construction Technologies, Brussels, Chairman of Session “Sustainable Development”, Oct. 1999.
12. 5<sup>th</sup> ASCE Materials Engineering Congress, Cincinnati, Ohio, Member of Technical Committee και Chairman of Session “Concrete Building Products”, May 1999.
11. 2<sup>nd</sup> Annual Workshop on Environmentally Friendly Construction Technologies, Brussels, Chairman of Session “High Performance Cementitious Materials in Theory and Practice”, Nov. 1998.
10. FRAMCOS-3 – 3<sup>rd</sup> International Conference on Fracture Mechanics of Concrete and Concrete Structures, Gifu, Japan, Chairman of Session “Mode II and Mixed Mode Fracture”, Oct. 1998.
9. 1<sup>st</sup> Annual Workshop on Environmentally Friendly Construction Technologies, Toulouse, Chairman of Session “Concrete Technology”, Oct. 1997.

8. US-Canada-Europe Workshop on Bridge Engineering, Zurich, International Scientific Committee, July 1997.
7. ACMBBS-II – 2nd International Conference on Advanced Composite Materials in Bridges and Structures, Montreal, Canada, Member of Technical Committee και Chairman of Session “Strengthening and Repair - II”, Aug. 1996.
6. FRPRCS-2 – 2nd International RILEM Symposium on Non-Metallic Reinforcement for Concrete Structures, Ghent, Belgium, Chairman of Session “On-going Research and Projects”, Aug. 1995.
5. Euromech 334, Textile Composites & Textile Structures, Lyon, France, Member of International Scientific Committee, May 1995.
4. 1st International Conference on Composites Engineering, New Orleans, LA, Regional Representative, Aug. 1994.
3. ACMBBS-I – 1st International Conference on Advanced Composite Materials in Bridges and Structures, Sherbrooke, Canada, Chairman of Session “Analytical and Design Methods”, Oct. 1992.
2. ASCE Materials Engineering Congress, Atlanta, GA, Chairman of Session “Composite Material Reinforcement for Concrete”, Aug. 1992.
1. 9th Annual ACSA (Association of Collegiate Schools of Architecture) Technology Conference, Harvard University, Chairman of Session “Structures, Materials and Process”, Febr. 1991.

#### ΕΠΙΣΤΗΜΟΝΙΚΟΣ ΥΠΕΥΘΥΝΟΣ ΕΡΕΥΝΗΤΙΚΩΝ ΠΡΟΓΡΑΜΜΑΤΩΝ

42. *Innovative System for Combined Seismic and Energy Retrofitting of Structures: Development, Mechanical Behavior and Fire Resistance*  
ΕΛΙΔΕΚ, 1<sup>η</sup> προκήρυξη για την ενίσχυση μελών ΔΕΠ και ερευνητών/τριών και την προμήθεια ερευνητικού εξοπλισμού μεγάλης αξίας (κατηγορία III.α), 1<sup>η</sup> πρόταση σε σειρά κατάταξης (βαθμ. 97,4) στην κατηγορία «Επιστήμες Μηχανικού και Τεχνολογίας», αναμενόμενη έναρξη έργου εντός του 2020, 1.500.000 €
41. *PhD Training Network on Durable, Reliable and Sustainable Structures with Alkali-Activated Materials*  
European Commission, H2020-ITN, 2018-2022, 486.035,28 € (για το Παν. Πατρών)
40. *Analysis of Technologies for Combined Upgrading of Existing Buildings*  
European Commission – JRC Ispra, 2019-2020, 85.500 €
39. *Experimental Verification of the Effectiveness of Various Combinations of Textile-based Reinforcement with Insulation Materials in Retrofitting Masonry Infilled Walls*  
European Commission – JRC Ispra, 2019, 14.900 €
38. *Καινοτόμο Σύστημα Συνδυασμένης Αντισεισμικής και Ενεργειακής Αναβάθμισης Κτιρίων*  
ΕΔΒΜ, 2018-2019, 40.600 €
37. *Αναλυτική, Υπολογιστική και Πειραματική Διερεύνηση Σύμμικτων Πλακών και Χαλυβδόφυλλων*  
ΕΛΑΣΤΡΟΝ ΑΒΕΕ, 2017-2018, 44.020 €
36. *European Network for Durable Reinforcement and Rehabilitation Solutions, ENDURE*  
European Commission, FP7-ITN, 2013-2017, 307.780,49 € (για το Παν. Πατρών)
35. *Πρωτότυπες Έννοιες Σχεδιασμού Μεταλλικών Κατασκευών για τον Ενεργειακό Τομέα με Χρήση Σύγχρονων Υλικών*  
ΑΡΙΣΤΕΙΑ II - Επένδυση στην Κοινωνία της Γνώσης μέσω του Ευρωπ. Κοινωνικού Ταμείου 2014-2015, Co-PI, 96.409,88 € (για το Παν. Πατρών)
34. *Axial Enhancement of Rectangular Concrete Columns with High Aspect Ratio Using Composite Materials*



- Fyfe Co LLC, 2013-2014, \$39.000
33. *Ανάπτυξη και Αξιολόγηση Ασύρματου Συστήματος Παρακολούθησης σε Πραγματικό Χρόνο για τον Έλεγχο της Δομικής Ακεραιότητας Κατασκευών Σκυροδέματος με Χρήση Ευφών Πιεζοηλεκτρικών Αισθητήρων Συνδεδεμένων σε Δίκτυο*  
ΘΑΛΗΣ – Επένδυση στην Κοινωνία της Γνώσης μέσω του Ευρωπαϊκού Κοινωνικού Ταμείου, 2012-2015, 158.270 € (για το Παν. Πατρών)
  32. *Eurasian University Network on International Collaboration in Earthquakes, EU-NICE*  
Erasmus Mundus, European Commission, FP7, 2011-2013, 243.000 € (για το Παν. Πατρών)
  31. *Masters in Earthquake Engineering and Engineering Seismology, MEEES*  
Erasmus Mundus, European Commission, FP6, 2013-2018, 261.407,15 € (για το Παν. Πατρών)
  30. *Ανάπτυξη, Παραγωγή και Μελέτη Νέων Υλικών και Δομικών Στοιχείων με Βάση το Ferrocement*  
ΑΚΤΩΡ ΑΤΕ, 2011-2012, 12.915 €
  29. *Εφελκυστικές Ιδιότητες Ινοπλεγμάτων*  
FYFE Europe, 2010-2011, 7.260 €
  28. *The Integrated Safe and Smart Built Concept, I-SSB*  
European Commission, FP6-IP, 2007-2010, 121.000 € (για το Παν. Πατρών)
  27. *Μηχανική Συμπεριφορά Αγκυρίων για την Ενίσχυση Οπλισμένου Σκυροδέματος*  
FYFE Europe, 2008-2010, 11.000 €
  26. *Open and Fully Compatible Next Generation Strengthening System for the Rehabilitation of the Mediterranean Building Heritage, OPERHA*  
European Commission, FP6-STREP, 2005-2008, 271.650 € (για το Παν. Πατρών s)
  25. *European Network for Composite Reinforcement, EN-CORE*  
European Commission, FP6-Marie Curie RTN, 2005-2008, 148.386,50 € (για το Παν. Πατρών)
  24. *Αποτίμηση Σεισμικής Τρωτότητας Υφισταμένων Κτιρίων και Ανάπτυξη Προηγμένων Υλικών/Τεχνικών Ενίσχυσης, ΑΡΙΣΤΙΩΝ*  
Γενική Γραμματεία Έρευνας και Τεχνολογίας (στα πλαίσια του ΕΠΑΝ 2002), 2003-2006, 1,875,000 € (222.360 € για το Τμ. Πολιτ. Μηχ. Παν. Πατρών)
  23. *Concrete Repair Network, ConRepNet*  
European Commission, FP5-Thematic Network, 2001-2005, 7.200 € (για το Παν. Πατρών)
  22. *Low Risk and Totally Recyclable Structural Buildings, SAFEFLOOR*  
European Commission, FP5, 2001-2004, 221.340 € (για το Παν. Πατρών)
  21. *Σύσταση και Διάχυση Τεχνικών Οδηγιών για την Ενίσχυση Κατασκευών με Σύνθετα Υλικά*  
Οργανισμός Αντισεισμικού Σχεδιασμού & Προστασίας (ΟΑΣΠ), 2000-2003, 73.367,57 € (29.344,77 € για το Παν. Πατρών)
  20. *Ινοπλισμένα Σύνθετα Υλικά (FRP) στην Ενίσχυση / Επισκευή Δομικών Στοιχείων από Οπλισμένο Σκυρόδεμα*  
Γενική Γραμματεία Έρευνας και Τεχνολογίας (στα πλαίσια του ΠΕΝΕΔ 1999). Το Πανεπιστήμιο Πατρών συμμετείχε ως συνεργαζόμενος φορέας με Επιστ. Υπεύθ. τον Α. Τριανταφύλλου.
  19. *Use of Recycled Materials as Aggregates in the Construction Industry*  
European Commission, Thematic Network, 1998-2001, 13.102 € (για το Παν. Πατρών)
  18. *Συστηματική Μελέτη Νέας Τεχνικής Ενίσχυσης Στοιχείων Οπλισμένου Σκυροδέματος με Προηγμένα Σύνθετα Υλικά*  
Επιτροπή Ερευνών Πανεπ. Πατρών στα πλαίσια του Προγράμματος Κ. ΚΑΡΑΘΕΟΔΩΡΗ, 1998-2001, 17.608,22 €
  17. *Development of Guidelines for the Design of Concrete Structures Reinforced, Prestressed or Strengthened with Advanced Composites*  
European Commission, TMR Research Network, 1997-2001, 142.316,65 € (για το Παν. Πατρών)
  16. *Εφαρμοσμένη Έρευνα επί των Μηχανικών Ιδιοτήτων Δομικής Ξυλείας*  
Σακελλαρίου Παναγιώτης ΕΠΕ, 2000, 3.961,85 €

15. *Πειραματικός Προσδιορισμός Δυσθραυστότητας Δοκών από Ινοπλισμένο Σκυρόδεμα*  
Ελληνικό Κέντρο Ερευνών Τσιμέντου, 2000, 5.429,20 €
14. *Ανάλυση και Διαστασιολόγηση Στοιχείων Οπλισμένου Σκυροδέματος Ενισχυμένων με Σύνθετα Υλικά*  
SIKA Hellas, 1999, 5.165,08 €
13. *Ανάπτυξη, Μελέτη και Πιλοτική Εφαρμογή Νέας Τεχνικής Ενίσχυσης/Οπλισμού Κατασκευών από Τοιχοποιία με Σύνθετα Υλικά (Ινοπλισμένα Πολυμερή)*  
Γενική Γραμματεία Έρευνας και Τεχνολογίας (ΠΑΒΕ 1996), 1997-1999, 43.433,60 €
12. *Ανάπτυξη Νέου Προϊόντος Δομικών Συστημάτων Συγκολλητής Ξυλείας με Δυνατότητα Οπλισμού, με τη Χρήση Ελληνικής Ξυλείας*  
Γενική Γραμματεία Έρευνας και Τεχνολογίας (ΠΑΒΕ 1996), 1997-1999, 28.804,11 €
11. *Βελτιωμένα Κριτήρια Σχεδιασμού Μηχανικών Συνδέσμων με Κοχλίες*  
INASCO Hellas OE (στα πλαίσια του BRITE-EURAM BE95-1780), 1997-1999, 12.032,28 €
10. *Μελέτη Θερμομονωτικών Υλικών Διογκωμένης Πολυστερίνης*  
UNISOL SA, 1998, 1.614,09 €
9. *Μηχανική Συμπεριφορά Συμμίκτων Πλακών Χάλυβα - Σκυροδέματος*  
KONTI Ελληνική Εταιρεία Χάλυβος ABEE, 1997, 1.467,35 €
8. *Strengthening of Concrete and Wood Structures in Shear Using FRP (REPLARK System)*  
SUMITOMO Corporation Hellas S.A. and Mitsubishi Chemical Corporation, 1996-1997, 8.804,11 €
7. *Διατήρηση της Πολιτιστικής Κληρονομιάς του Κέντρου και της Παλιάς Πόλης της Πάτρας μετά το Σεισμό του Ιουλίου 1993*  
Υπουργείο Εθνικής Παιδείας και Θρησκευμάτων, 1994-1995, 4.402,05 €
6. *Innovative Strengthening Techniques with Composite Materials*  
USA National Science Foundation, 1991-1993, \$100.000
5. *Innovative Design of FRP Composite Members Combined with Concrete*  
EMPA (Swiss Federal Laboratories for Materials Testing and Research), 1991-1992, \$75.000
4. *Low Cost Guideways for Maglev* (Principal co-investigator)  
USA Department of Transportation, Federal Railroad Administration, 1991-1992, \$120.000
3. *Prestressing of Concrete and Wood Structures with Composite Laminates*  
EMPA (Swiss Federal Laboratories for Materials Testing and Research), 1990, \$25.000
2. *Use of Advanced Composites in Structural Engineering*  
Sloan Fund, 1990-1992, \$50.000
1. *Advanced Fiber-Reinforced Polymer Composite Materials in the Rehabilitation of Structures*  
USA Army Research Office, 1990-1992, \$170,000

#### **ΥΠΕΥΘΥΝΟΣ ΣΥΜΒΑΣΕΩΝ ΠΑΡΟΧΗΣ ΥΠΗΡΕΣΙΩΝ ΓΙΑ ΤΟ ΕΡΓΑΣΤΗΡΙΟ ΜΗΧΑΝΙΚΗΣ & ΤΕΧΝΟΛΟΓΙΑΣ ΥΛΙΚΩΝ**

2000 – σήμερα    Συνολικός όγκος συμβάσεων παροχής υπηρεσιών: > 660.000 €.

#### **ΛΟΙΠΗ ΕΠΑΓΓΕΛΜΑΤΙΚΗ ΚΑΙ ΤΕΧΝΙΚΗ ΕΜΠΕΙΡΙΑ (CONSULTING)**

1994 – σήμερα    Κύριος μελετητής ή μέλος της ομάδας μελέτης για την ενίσχυση >20 υφισταμένων κατασκευών οπλισμένου σκυροδέματος και φέρουσας τοιχοποιίας (ενδεικτικά: σήραγγες σιλό Vassiliko Cement Works Public Company Ltd στην Κύπρο, Ι. Ν. Παντανάσσης στην Πάτρα, ιχθυοσυλληπτικές εγκαταστάσεις λιμνοθάλασσας Θολής, Ι. Μ. Παντοκράτορος Αγγελοκάστρου, Ι. Μ. Φραγκαβίλλα στην Αμαλιάδα, κλινική Γαβριλάκη στα Χανιά, ναοί Αγ. Νικολάου και Αγ. Παρασκευής στην Κω).

- 2013 – 2014 Επιστημονικός Σύμβουλος στην εταιρεία *FYFE EUROPE S.A.* για την «Ανάπτυξη Συστήματος Περίσφιγξης Υποστρωμάτων με Μεγάλο Λόγο Πλευρών».
- 2012 Επιστημονικός Σύμβουλος στην εταιρεία *AKTΩP ATE* για την “Ανάπτυξη Ferrocement και Πειραματική Μελέτη Κόμβων Ferrocement – Χάλυβα για το Stavros Niarchos Foundation Cultural Center”.
- 2010 – 2011 Επιστημονικός Σύμβουλος στην εταιρεία *FYFE EUROPE S.A.* για την “Ανάπτυξη Οδηγιών Διαστασιολόγησης Ενισχύσεων Φέρουσας Τοιχοποιίας με Ινοπλέγματα σε Ανόργανη Μήτρα”.
- 2007 – 2010 Εξωτερικός Κριτής του Ευρωπαϊκού Ερευνητικού Προγράμματος “High Performance Composites Bridges for Rapid Infrastructure Renewal (HP FUTURE-Bridge)” για λογαριασμό της εταιρείας *Acciona Infraestructuras S.A.*
- 2009 Επιστημονικός Σύμβουλος στην εταιρεία Arcelor Mittal Construction Hellas AE για τον “Επιστημονικό Σχολιασμό Τεχνικών Εκθέσεων ως προς την Ευφλεκτότητα Θερμομονωτικών Πανέλων”.
- 2008 Επιστημονικός Σύμβουλος στην εταιρεία *ΕΔΡΑΣΗ Χ. ΨΑΛΜΙΔΑΣ ATE* για “Επιτόπου Ελέγχους στην Αμυντική Στοά της Σιδηροδρομικής Γραμμής Διακοπτού - Καλαβρύτων”.
- 2007 – 2009 Επιστημονικός Σύμβουλος στη *Georgia Tech Research Corporation* (ΗΠΑ) σε “Ανάπτυξη Οδηγιών Διαστασιολόγησης για Συστήματα Εξωτερικής Ενίσχυσης Γεφυρών με Σύνθετα Υλικά”.
- 2008 Επιστημονικός Σύμβουλος στην εταιρεία *S&P* για την Ελληνική μετάφραση του λογισμικού FRP Lamella και FRP Colonna.
- 2008 Επιστημονικός Σύμβουλος στην εταιρεία *AKTΩP ATE* για τη “Μελέτη Πιθανών Βλαβών σε Υποστρώματα Οπλισμένου Σκυροδέματος λόγω Σεισμού λίγες Ώρες μετά από τη Σκυροδέτηση”.
- 2005 – 2007 Επιστημονικός Σύμβουλος στην εταιρεία *ENDICO* (στο Ιράν) για την μελέτη ενίσχυσης τεσσάρων κτιρίων από φέρουσα τοιχοποιία και μιας γέφυρας οπλισμένου σκυροδέματος στο Ιράν.
- 2006 Επιστημονικός Σύμβουλος στην εταιρεία *PROLAM* (στον Καναδά) για την “Ανάπτυξη Συστήματος Οπλισμού Δοκών Επικολητού Ξύλου με Ινοπλισμένα Πολυμερή”.
- 2004 Επιστημονικός Σύμβουλος στον *Πανελλήνιο Σύνδεσμο Παραγωγών Διογκωμένης Πολυστερίνης* για την “Τεχνικο-οικονομική Μελέτη για την Εξωτερική Θερμομόνωση Κτιρίων με Πλάκες Διογκωμένης Πολυστερίνης”.
- 2003 Επιστημονικός Σύμβουλος στην εταιρεία *ISOMAT ABEE* για τη “Διερεύνηση της Μηχανικής Συμπεριφοράς των Υλικών Ενίσχυσης MEGAWRAP και MEGAPLATE”.
- 2002 Τεχνικός Σύμβουλος στην *Περιφέρεια Δυτικής Ελλάδας – Περιφερειακό Ταμείο Ανάπτυξης* για την “Διεξαγωγή Επιτόπου Ελέγχων Σκυροδέματος και Πρόταση Μέτρων Επισκευής του Κτιρίου Περιφερειακού Κέντρου Φυτοπροστασίας και Ποιοτικού Ελέγχου”.
- 2002 Επιστημονικός Σύμβουλος στην εταιρεία *ECOTURN ABEE* για τη “Μελέτη Πλαστικότητας από Πολυμερικά Υλικά τύπου Σάντουιτς”.
- 2001 – 2002 Επιστημονικός Σύμβουλος στην εταιρεία *SIKA Finanz AG* για την “Ανάπτυξη Λογισμικού Ενίσχυσης Στοιχείων Οπλισμένου Σκυροδέματος με Σύνθετα Υλικά”.
- 2002 και 1997 Επιστημονικός Σύμβουλος στην εταιρεία *ABEE* για τη “Διερεύνηση της Μηχανικής Συμπεριφοράς Συγκολλητού Ξύλου στα Πλαίσια του Ευρωκώδικα 5”.
- 2001 Επιστημονικός Σύμβουλος στην εταιρεία *Halcrow* για την “Ενίσχυση Μονάδων Παραγωγής Πυρηνικής Ενέργειας με Σύνθετα Υλικά”.

- 1998 – 2001 Επιστημονικός Σύμβουλος στην εταιρεία *ETANE-EYKAEIΔHΣ ATE* για το ερευνητικό πρόγραμμα Brite/Euram “Monitoring of Large Civil Engineering Structures for Improved Maintenance - MILLENNIUM”.
- 2000 Σύμβουλος στην *ΜΟΥΣΤΑΚΗΣ AEE* για την εκπόνηση μελέτης σχετικά με “Εναπομένουσες Αντοχές Υλικών του Κτιρίου ‘Μουστάκης’ μετά από Πυρκαϊά”.
- 1999 – 2000 Επιστημονικός Σύμβουλος στις εταιρείες *SIKA HELLAS* και *SINTECNO AE* για τη συγγραφή τεύχους “Συστάσεις για την Ανάλυση και Διαστασιολόγηση Στοιχείων Οπλισμένου Σκυροδέματος Ενισχυμένων με Σύνθετα Υλικά”.
- 1994 Σύμβουλος στο Πανεπιστήμιο *MIT* (Τμήμα Ηλεκτρολόγων Μηχανικών) και στην εταιρεία *Bechtel* των ΗΠΑ για τη “Μελέτη Αλληλεπίδρασης Ηλεκτρομαγνητικών Πεδίων με τις Ράβδους Οπλισμού σε Γέφυρες Τραίνων Μαγνητικής Ανύψωσης (Maglev)”.
- 1993 Σύμβουλος στην εταιρεία *Eldim Inc.* (ΗΠΑ) σε “Ανάπτυξη Αναλυτικών Προσομοιωμάτων για τις Μηχανικές Ιδιότητες Κυψελωτών Υλικών Μορφής Γ”.
- 1991 Σύμβουλος στην εταιρεία *Norfield Co.* (ΗΠΑ) σε “Μελέτη Ελαχιστοποίησης Κόστους Μελών “Σάντουιτς” με Πυρήνες Υλικού NorCore”.
- 1990 Σύμβουλος στην εταιρεία *Amoco Production Co.* (ΗΠΑ) σε “Μεθόδους Επισκευής Θεμελίων Σκυροδέματος με Εποξειδικές Ρητίνες”.
- 1989 Σύμβουλος στην εταιρεία *Martin Marietta* (ΗΠΑ) σε “Μελέτη Μεταλλικών Υλικών Οπλισμένων με Λεπτότοιχα Κεραμικά Σφαιρίδια”.

## ΕΠΙΒΛΕΨΗ ΦΟΙΤΗΤΩΝ, ΜΕΤΑΔΙΔΑΚΤΟΡΙΚΟΙ ΣΥΝΕΡΓΑΤΕΣ

### (α) Μεταδιδακτορικοί

1. Bedirhanoglou, I. (Ιαν. 2019 – Ιουν. 2020).
2. Κουρή, Α. (Δεκ. 2016 – Δεκ. 2017).
3. D’Antino, T. (Σεπτ. 2014 – Σεπτ. 2015).

### (β) Διδακτορικές Διατριβές

#### *Πανεπιστήμιο Πατρών*

17. Azdejkovic, L. “Seismic Retrofitting of Concrete and Masonry Structures with Textile-Reinforced Alkali-Activated Materials”, σε εξέλιξη (συνεπίβλεψη με Αικ. Παπανικολάου).
16. Andres, A. “Fire Behavior of High-Performance Concrete made with Alkali-Activated Materials”, σε εξέλιξη.
15. Καψάλης, Π. “Thermomechanical Behavior of Textile Reinforced Concrete”, σε εξέλιξη (συνεπίβλεψη με Τ. Tysmans).
14. Γκουρνέλος, Π. “Interaction of Out-of-Plane and In-Plane Actions in Seismically and Energy Retrofitted Masonry Infilled RC Structures”, σε εξέλιξη.
13. Καρακάσης, Ι. “Ανθεκτικότητα Οπλισμένου Σκυροδέματος μετά από Ενίσχυση με Μανδύες Ινοπλεγμάτων”, σε εξέλιξη (συνεπίβλεψη με Αικ. Παπανικολάου).
12. Κάρλος, Κ. “Συνδυασμένη Αντισεισμική και Ενεργειακή Αναβάθμιση Τοιχοποιίας”, σε εξέλιξη.
11. Τσαντίλης, Α. “Σεισμική Μόνωση Τοιχοπληρώσεων με Χρήση Περιμετρικών Αρμών από Κυψελωτά Υλικά: Πειραματική και Αριθμητική Μελέτη”, 2016.
10. Τζουρά, Ε. “Ενίσχυση Στοιχείων Σκυροδέματος με Σύνθετα Υλικά και Παρακολούθηση της Δομικής τους Ακεραιότητας με τη Χρήση “Ευφυών” Υλικών”, 2016.

9. Κούτσας, Λ. “Νέες Τεχνικές και Υλικά για την Ενίσχυση Πλαισίων Οπλισμένου Σκυροδέματος μέσω Εμφαντούμενης Τοιχοποιίας: Πειραματική και Αναλυτική Μελέτη”, 2015 (συνεπίβλεψη με Σ. Μπούσια).
8. Μπουρνάς, Δ. “Νέες Τεχνικές Ενίσχυσης Οπλισμένου Σκυροδέματος και Φέρουσας Τοιχοποιίας με Σύνθετα Υλικά: Οπλισμοί σε Εγκοπές, Μανδύες Πλεγμάτων σε Ανόργανη Μήτρα”, 2008.
7. Κρεβάικας, Θ. “Συμβολή στην Αναλυτική και Πειραματική Μελέτη Φέρουσας Τοιχοποιίας Ενισχυμένης με Σύνθετα Υλικά”, 2005.
6. Μανίτα, Π. “Συστηματική Πειραματική Μελέτη και Σχεδιασμός της Σύνθεσης Κονιαμάτων Αποκατάστασης Ιστορικών Κτιρίων”, 2005.
5. Παπανικολάου, Αικ. “Μελέτη και Βέλτιστος Σχεδιασμός Δομικών Στοιχείων Τύπου «Σάντουιτς» με Πυρήνα Ελαφροσκυροδέματος και Φλοιούς από Σκυρόδεμα Υψηλής Επιτελεστικότητας”, 2002.
4. Αντωνόπουλος, Κ. “Ενίσχυση Κόμβων Οπλισμένου Σκυροδέματος με Σύνθετα Υλικά”, 2001.

#### ***University of Ghent***

3. Krajnovic, I. “Innovative Mix Design and Strengthening of Concrete with Alkali-Activated Textile-Reinforced Mortars”, σε εξέλιξη (συνεπίβλεψη με S. Matthys).

#### ***Massachusetts Institute of Technology***

2. Plevris, N. “Time-Dependent Behavior and Design of Reinforced Concrete and Wood Structures Strengthened with FRP Laminates”, 1993.
1. Deskovic, N. “Innovative Design of FRP Composite Members Combined with Concrete”, 1993.

#### **(γ) MSc**

- 51 Διατριβές Μεταπτυχιακού Διπλώματος Ειδίκευσης στο Πανεπιστήμιο Πατρών (2001-σήμερα).
- 6 MSc Theses στα πλαίσια του Erasmus Mundus Masters in Earthquake Engineering and Engineering Seismology (2007-2014).
- 1 MSc Thesis στο ROSE School (συνεπίβλεψη, 2008).
- 32 Διατριβές Μεταπτυχ. Διπλώματος Ειδίκευσης στο Ελληνικό Ανοικτό Πανεπιστήμιο (2007-2018).
- 5 MSc Theses στο Massachusetts Institute of Technology (1991-1992).

#### **(δ) Διπλωματικές Εργασίες**

169 Φοιτητές / 156 Διπλωματικές Εργασίες στο Πανεπιστήμιο Πατρών (1994-σήμερα).

### **ΕΠΙΛΕΓΜΕΝΑ ΔΙΟΙΚΗΤΙΚΑ ΚΑΘΗΚΟΝΤΑ**

#### **(α) Σε Επίπεδο Πανεπιστημίου**

- 2017 – σήμερα Μέλος της Ολομέλειας της Επιτροπής Ερευνών και Διαχείρισης του Ειδικού Λογαριασμού Κονδυλίων Έρευνας.
- 2013 – 2017 Μέλος του Συμβουλίου Ιδρύματος Πανεπιστημίου Πατρών.
- 2010 – 2012 Μέλος του Επταμελούς Εκτελεστικού Οργάνου του Ειδικού Λογαριασμού Κονδυλίων Έρευνας Πανεπιστημίου Πατρών.
- 1995 – 1996 Μέλος της Συγκλήτου Πανεπιστημίου Πατρών.

- 1997 – σήμερα Πρόεδρος ή Μέλος Επιτροπών Εκλογής Υποψηφίων σε 8 Ελληνικά Πανεπιστήμια και σε δύο Πανεπιστήμια του Εξωτερικού.  
 1996 – 2016 Μέλος Επιτροπών (>20) της Τεχνικής Υπηρεσίας Πανεπιστημίου Πατρών.

### (β) Σε Επίπεδο Τμήματος

#### *Πανεπιστήμιο Πατρών – Τμήμα Πολιτικών Μηχανικών*

- 2002 – σήμερα Διευθυντής Εργαστηρίου Μηχανικής και Τεχνολογίας Υλικών.  
 2019 – σήμερα Διευθυντής Τομέα Κατασκευών.  
 2008 – 2016 Διευθυντής Προγράμματος Μεταπτυχιακών Σπουδών.  
 2007 – 2011 Αναπληρωτής Πρόεδρος.  
 2007 – 2011 Πρόεδρος Επιτροπής Προγράμματος Προπτυχιακών Σπουδών.  
 2002 – 2006 Μέλος Επιτροπής Μεταπτυχιακών Σπουδών.

#### *Massachusetts Institute of Technology – Dept. of Civil Engineering*

- 1993 Graduate Admissions Committee for the Structures & Materials Group, Member.

#### *New York University Abu Dhabi*

- 2018 – 2019 Head of Civil and Urban Engineering Program.