

CURRICULUM VITAE

Thanasis C. Triantafillou

Professor, Department of Civil Engineering
Director, Structural Materials Laboratory
 University of Patras, Patras GR-26504, Greece

Born in Patras, Greece, 1963

EDUCATION

- 1987 – 1989 Massachusetts Institute of Technology (MIT), PhD in Civil Engineering.
 1985 – 1987 Massachusetts Institute of Technology (MIT), MSc in Civil Engineering.
 1980 – 1985 University of Patras, Greece, Diploma in Civil Engineering.

MAIN ACADEMIC POSITIONS

- 1993 – Today Faculty Member, Department of Civil Engineering, University of Patras, Greece.
 1990 – 1993 Assistant Professor, Department of Civil and Environmental Engineering, Massachusetts Institute of Technology (MIT) (on leave during 1992, serving the Greek Air Force).
 2005 – Today Adjunct Professor, Hellenic Open University, for the Thematic Unit “Seismic Design of Structures” of the program “Earthquake Engineering and Earthquake Resistant Structures”. Coordinator of the above Thematic Unit. Director of the program since 2016.

OTHER ACADEMIC POSITIONS

- 2005 – Today Member of the Faculty Body at the Erasmus Mundus program MEEES (European Masters in Earthquake Engineering and Engineering Seismology).
 2009 – Today 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.
 2011 – 2013 Member of the Faculty Body at the Erasmus Mundus program EU-NICE (Eurasian University Network on International Cooperation in Earthquakes) at the University of Patras and at the University of Rome Sapienza.
 Summers of 1991 and 1990 Visiting Professor, Swiss Federal Laboratories for Materials Testing and Research (EMPA).
 May 1989 – Jan. 1990 Postdoctoral Associate, Department of Civil Engineering, Massachusetts Institute of Technology (MIT).

1985 – 1989 Research Assistant, Department of Civil Engineering, Massachusetts Institute of Technology (MIT).

AREAS OF SPECIALIZATION

- Application of advanced materials in structural engineering, with a focus on strengthening and retrofitting of concrete, masonry and timber structures.
- Cement-based and polymer-based composites.
- Steel-concrete composite structures, prefabricated structural sandwich panels.
- Lightweight materials (concrete, cellular materials).

SOCIETY MEMBERSHIP

- 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)
- Greek Scientific Society for Concrete Research
- Technical Chamber of Greece
- Greek Society of Civil Engineers

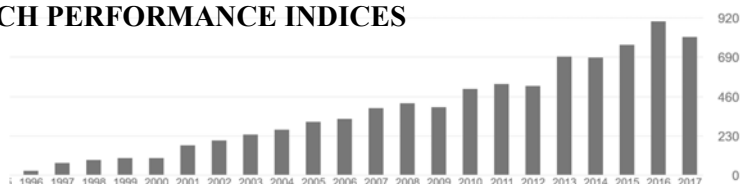
COMMITTEE MEMBERSHIP

- 2018 – Present Scientific Council of Engineering Sciences, Greek General Secretariat for Research and Technology, Member.
- 2017 – Present Committee of Special Consultants to the Greek Earthquake Planning and Protection Organization on the “Code for Assessment and Interventions on Existing Masonry Buildings”, Member.
- 2016 – Present Greek Foundation for Research and Innovation, Member of the General Assembly.
- 2016 – Present *fib* (International Federation for Structural Concrete) Task Group 10.1 “Model Code 2020”, Member.
- 2016 – Present *fib* Task Group 3.4 “Selection and Implementation of Interventions”, Member.
- 2016 – Present American Concrete Institute Committee 549 “Thin Reinforced Cementitious Products and Ferrocement”, Member.
- 2014 – Present *fib*, Head of the Greek Delegation and member of the Technical Council.
- 2014 – Present ELOT/TC67 “Eurocodes”, Member.
- 2014 – Present *fib* Task Group 5.1 “FRP Reinforcement for Concrete Structures”, Member, Convenor of Sub-Group on “Externally Applied Reinforcement”.
- 2014 – Present CEN/TC250/WG4 “Fibre Reinforced Polymer Structures”, Member.
- 2013 – Present Expert Panel on Science and Technology of Constructions and the Built Environment, Flanders Fund for Scientific Research (FWO), Member.
- 2012 – Present CEN/TC250/SC2/WG1/Task Group 1 “Strengthening and Reinforcing with Fibre Reinforced Polymers”, Member.
- 2012 – Present RILEM Technical Committee TC250-CSM “Composites for Sustainable Strengthening of Masonry”, Member.

2010 – Present	International Institute for FRP in Construction (IIFC), Member of the International Advisory Committee.
2009 – Present	<i>fib</i> Special Activity Group 6 “Composite Concrete-Steel Structures”, Corresponding Member.
1993 – Present	American Concrete Institute Committee 440 “Fiber Reinforced Polymer Reinforcement”, Associate Member. Subcommittee 440-F (Repair), Member.
2003 – 2017	International Institute for FRP in Construction, Member of the Council.
2009 – 2016	RILEM Technical Committee “Design Procedures for the Use of Composites in Strengthening of Reinforced Concrete Structures”, Member.
1996 – 2014	<i>fib</i> 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 “Test Methods and Design of Textile Reinforced Concrete”, Member.
2007 – 2013	<i>fib</i> , Deputy of the Greek Delegation and member of the Technical Council.
2008 – 2012	<i>fib</i> Special Activity Group 5 “Model Code 2010”, Invited Expert.
2007 – 2012	RILEM Technical Committee “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 “Textile Reinforced Concrete”, Member.
2004	Committee of Special Consultants to the Greek Earthquake Planning and Protection Organization on the “Code for Interventions on Existing Reinforced Concrete Buildings”, Member.
2000 – 2003	<i>fib</i> 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	Technical Chamber of Greece: (a) District Council of Technological Education, (b) Committee on Continuing Education.

RESEARCH PERFORMANCE INDICES

- Citations: 9215 (Google Scholar).
- h-index: 45 (Google Scholar).



AWARDS

1. IIFC (International Institute for FRP in Construction) Medal of outstanding research impact (2010).
2. 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).
3. 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.
4. 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.
 5. 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.
 6. Fulbright Senior Research Award, 1996.

JOURNAL EDITOR & EDITORIAL BOARDS

- *ASCE Journal of Composites for Construction*, International Editorial Board, (1999 – today).
- *Earthquakes and Structures*, International Editorial Board, (2014 – today).
- *Journal of Composites Science*, Associate Editor, (2016 – today).
- *International Journal of Sustainable Materials and Structural Systems*, International Editorial Board, (2012 – 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).
- *Journal of Textiles*, International Editorial Board, (2012 – 2016).
- *ASCE Journal of Materials in Civil Engineering*, Guest Editor of Special Issue 13(2), Mar/Apr 2001. Editorial on “Fracture Mechanics in Concrete Repair/Strengthening”.

OTHER HONORS

- >100 invited lectures in Universities, industry, and professional organizations.
- 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.
- 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.
- Organizer of the (biannual) International Conference FRPRCS-8 (Fiber Reinforced Polymers in Reinforced Concrete Structures – 8) in 2007.
- National Expert on behalf of the Hellenic General Secretariat for Research and Technology for the period 2004-2006, 6th Framework Programme of the European Commission, “Specific measures and actions regarding the 1st specific programme”.
- Selected coordinator of the EC-funded research projects in the area of “Improved Performance of Concrete in Structures”, within the framework of the program “Targeted Research Action - Environmentally Friendly Construction Technologies”, carried out by the European Council for Construction Research, Development and Innovation, 1997 - 2001.
- Invited Expert for the evaluation of the Research Quality in Lithuanian Universities (Research and Higher Education Monitoring and Analysis Centre - MOSTA), 2015.
- Invited Expert for the evaluation of the Research Quality in Italy (VQR 2004-2010), 2012-2013.

- Invited Expert for the evaluation of the Research Quality in Latvian Universities and Research Centers (Latvian Ministry of Education and Science), 2013.
- Invited Expert by the Ministry of Education, Youth and Sports of the Czech Republic for the evaluation of the Research Centres: (a) Advanced Building Materials, Structures and Technologies Centre, Brno University of Technology (2015), (b) West Bohemian Centre of Materials and Metallurgy (2014), (c) Transportation Research Centre (2014) and (d) Centre for Advanced Materials Research in Brno University of Technology (2013).
- Invited expert for the evaluation of research projects funded by the European Commission within the framework of FP7.
- Invited expert for the evaluation of research proposals in the 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), ERA-NET, ERA-MIN, ERA-NET RUS and Greece (GSRT, YPEPTH, SSF, NTUA).
- Co-ordinator of the 1st 2-day *fib* course on “Strengthening with Externally Bonded FRP Reinforcement – Behaviour, Design and Applications”, Divani Caravel, Athens, May 4-5, 2003.
- Workshops on International Research on Advanced Composites in Construction (IRACC 96, 97, 98, 99), Bologna, Sapporo, Naples, Cincinnati, Invited Delegate.
- Reviewer of 604 papers in 84 International Journals [*in () the number of reviews*]:

ACI Materials Journal	(8)	International Journal of Fracture	(1)
ACI Special Publication	(6)	Int. J. of Mater. and Product Technology	(1)
ACI Structural Journal	(42)	International Journal of Polymer Science	(1)
Advanced Composites Letters	(19)	International J. of Solids and Structures	(8)
Advances in Civil Engineering	(3)	International Journal of Structural Integrity	(2)
Advances in Materials Science and Engng	(1)	J. of Applied Mathematics	(1)
Advances in Structural Engineering	(7)	J. of Advanced Concrete Technology	(5)
Ain Shams Engineering Journal	(1)	J. of Bridge Engineering (ASCE)	(4)
Applied Composite Materials	(1)	J. of Civil Engrg. & Construction Technology	(1)
Arabian J. for Science and Engineering	(1)	J. of Composites for Construction (ASCE)	(116)
Bridge Engineering	(2)	J. of Composite Materials	(6)
Buildings	(2)	J. of Composites Tech. and Research	(1)
Bulletin of Earthquake Engineering	(1)	J. of Cultural Heritage	(5)
Canadian Journal of Civil Engineering	(6)	Journal of Earthquake Engineering	(8)
Cement and Concrete Composites	(3)	J. of Engineered Fibers and Fabrics	(1)
Composites Engineering	(1)	J. of Engineering Mechanics (ASCE)	(5)
Composites Part A: Appl. Sc. & Manufact.	(2)	J. of Materials in Civil Engineering (ASCE)	(23)
Composites Part B: Engineering	(19)	Journal of Materials Science	(1)
Composites Science & Technology	(5)	J. of Mechanics of Materials and Structures	(1)
Composite Structures	(15)	J. of Seismology and Earthquake Engineering	(1)
Computer-Aided Civil and Infrastr. Engng	(1)	Journal of Structural Engineering (ASCE)	(26)
Computers and Concrete	(1)	Journal of Zhejiang University – Science A	(1)
Computers and Structures	(2)	Korean Society of Civil Engineering Journal	(5)
Concrete International	(1)	Kuwait Journal of Science and Engineering	(1)
Construction and Building Materials	(33)	Materials	(2)

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| Construction Materials (ICE) | (2) | Materials and Structures (RILEM) | (38) |
| Earthquake Engrg & Engrg Vibration | (1) | Mathematical Problems in Engineering | (1) |
| Earthquake Spectra | (1) | Nanomaterials | (2) |
| Earthquakes and Structures | (11) | Ned University Journal of Research – Materials | (1) |
| Engineering & Computational Mechanics | (2) | Philosophical Magazine A | (1) |
| Engineering Journals | (1) | Polymers | (1) |
| Engineering Science and Technology | (1) | Research Letters in Materials Science | (1) |
| Engineering Structures | (53) | Smart Structures and Systems | (1) |
| Europ. J. of Environmental and Civ. Engrg. | (1) | Soil Dynamics and Earthquake Engineering | (3) |
| European Journal of Mechanics – A/Solids | (1) | Steel and Composite Structures | (2) |
| Experimental Mechanics | (1) | Structural Concrete (<i>fib</i>) | (27) |
| Fibers | (3) | Structural Engineering and Mechanics | (6) |
| Finite Elements in Analysis and Design | (1) | Structural Engineering International (IABSE) | (4) |
| Ingenieria e Investigacion | (1) | Structure and Infrastructure Engineering | (1) |
| Int. J. of Concrete Struct. and Materials | (2) | Structures and Buildings | (4) |
| International J. of Engineering | (1) | Technika Chronika | (15) |
| Intern. J. of Forensic Engineering | (1) | The Scientific World Journal – Civil Engrg. | (2) |
- Member of International Editorial Board of the book “Seismic Assessment and Rehabilitation of Historic Structures”, published by IGI Global, 2015.
 - Reviewer of: ASTM STP 1323 “Composite Materials in Non-Aerospace Applications”.
 - Reviewer of 3 book proposals (2 for John Wiley & Sons, 1 for Woodhead Publishing).
 - MIT Research and Teaching Assistantships, 1985-1989.
 - Fulbright Scholarship, 1985.
 - National Scholarship Foundation University Scholarships, 1981-1985.

PUBLICATIONS

(a) Books

- B1. *Structural Materials*, GOTSIS Publishers, 2017, 488 pages (in Greek).
- B2. *Steel-Concrete Composite Structures*, 2016, 318 pages (in Greek).
- B3. *Mechanics of Materials*, 2nd edition 2015, 392 pages (in Greek).
- B4. *Strengthening of Reinforced Concrete Structures with Composite Materials*, 2nd edition 2004, 110 pages (in Greek). Includes CD with design software.
- B5. *Steel-Concrete Composite Structures*, Hellenic Open University Program on Earthquake Engineering and Earthquake-Resistant Structures, 2003, 145 pages (in Greek).
- B6. *Seismic Design and Drywalling*, Giourdas Press, 2010, 280 pages, Translation of English edition in Greek.
- B7. *Textile Fibre Composites in Civil Engineering*, editor, Woodhead Publishing, 2016, 468 pages.
- B8. *Fiber-Reinforced Polymer Reinforcement for Concrete Structures*, Proceedings of the 8th International Symposium on Fiber-Reinforced Polymer Reinforcement for Concrete Structures (FRPRCS-8), editor, University of Patras, 2007, 733 pages + CD with 311 papers.
- B9. *Combined Seismic and Energy Upgrading of Existing Buildings using Advanced Materials*, JRC Technical Report, 2018, 65 pages. (co-authors: Gkournelos, D. P., Bournas, D. A. and Triantafillou, T. C.).

(b) Book Chapters

- C1. Chapter 13 of the book “Textile Fibre Composites in Civil Engineering” titled: *Strengthening of Existing Concrete Structures: Concepts and Structural Behavior* (20 p.), Woodhead Publishing, 2016, Edited by T. C. Triantafillou.
- C2. Chapter 15 of the book “Textile Fibre Composites in Civil Engineering” titled: *Strengthening of Existing Masonry Structures: Concepts and Structural Behavior* (14 p.), Woodhead Publishing, 2016, Edited by T. C. Triantafillou.
- C3. Chapter 16 of the book “Textile Fibre Composites in Civil Engineering” titled: *Strengthening of Existing Masonry Structures: Design Models* (20 p.), Woodhead Publishing, 2016, Edited by T. C. Triantafillou.
- C4. Co-author of Chapter 8 of the RILEM State-of-the-Art Report “Design Procedures for the Use of Composites in Reinforced Concrete Structures” titled: Ch. 8 – *NSM Systems* (46 p.), Springer, 2015, Edited by C. Pellegrino and J. M. Sena-Cruz.
- C5. Co-author of Chapter 5.5 - *Non-Metallic Reinforcement* and Chapter 6.2 - *Bond of Non-Metallic Reinforcement* in the *fib* Model Code 2010, 2013.
- C6. Co-author of Chapter 12 of the book “Seismic Evaluation and Rehabilitation of Structures” titled: Ch. 12 – *Bond Strength of Lap Splices in FRP and TRM Confined Concrete: Behaviour and Design* (16 p.), Springer, 2013, Edited by A. Ilki and M. N. Fardis.
- C7. Co-author of Chapter 13 of the book “Innovative Materials and Techniques in Concrete Construction” titled: Ch. 13 – *Innovative Textile-Based Cementitious Composites for Retrofitting of Concrete Structures* (16 p.), Springer, 2012, Edited by M. N. Fardis.
- C8. Chapter 5 of the book “Composite Materials – A Vision for the Future” titled *Textile-Reinforced and Polymer Modified Mortars (TRM): A New Generation of Composite Materials for Strengthening and Seismic Retrofitting of Structures* (16 p.), Springer, 2011, Edited by L. Nicolais, M. Meo and E. Milella.
- C9. Co-author of Chapter 36 of the book “Advances in Performance-Based Earthquake Engineering” titled: Ch. 36 – *Innovative Seismic Retrofitting of RC Columns Using Advanced Composites* (12 p.), Springer, 2010, Edited by M. N. Fardis.
- C10. Co-author of Chapter 7 of the RILEM State-of-the-Art Report 36 “Textile Reinforced Concrete” titled: Ch. 7 – *TRC in Rehabilitation* (16 p.), 2006.
- C11. Chapter 1 of the *fib* Bulletin 35 “Retrofitting of Concrete Structures by Externally Bonded FRPs” titled: *General Concepts and Design Aspects – Materials and Techniques* (27 p.), 2006.
- C12. Co-author of Chapter of the book “Perspectives in Civil Engineering: Commemorating the 150th Anniversary of the American Society of Civil Engineers” titled *Fiber-Reinforced Polymer Composites for Construction – State-of-the-Art Review* (15 p.), ASCE, 2003, Edited by J. S. Russell.
- C13. Co-author of Chapter 5 of the *fib* Bulletin 24 “Seismic Assessment and retrofit of reinforced concrete buildings” titled: *Seismic Retrofitting Techniques* (contribution: 12 p.), 2003.
- C14. Chapters 1, 2 and 5 of the *fib* Bulletin 14 “Externally Bonded FRP Reinforcement for RC Structures” titled: Ch. 1 – *Introduction* (5 p.), Ch. 2 – *FRP Strengthening Materials and Techniques* (15 p.), Ch. 5 – *Strengthening in Shear and Torsion* (10 p.), 2001.
- C15. Principal author of Chapters 4 and 9 of the *fib* Bulletin 14 “Externally Bonded FRP Reinforcement for RC Structures” titled: Ch. 4 – *Flexural Strengthening* (32 p.), Ch. 9 – *Special Design Considerations and Environmental Effects* (10 p.), 2001.
- C16. Secondary author of Chapters 3, 6 and 7 of the *fib* Bulletin 14 “Externally Bonded FRP Reinforcement for RC Structures” titled: Ch. 3 – *Basis of design and safety concept* (10 p.), Ch. 6 – *Confinement* (15 p.), Ch. 7 – *Detailing Rules*, 2001.
- C17. Chapter 15 of the special edition “Bauingenieur: München Massivbau 2000-Forschung, Entwicklungen und Anwendungen”. Title: *Strengthening of Masonry with FRP*, Springer Verlag, 2000, Edited by K. Zilch.
- C18. Chapter II-8 of the book “Sustainable Raw Materials”. Title: *Construction and Demolition Waste in Greece*, RILEM Report 22, RILEM Publications S.A.R.L., 2000, Edited by Ch.F. Hendriks and H. S. Pietersen.

- C19. Chapter 9 of the book “Failure Analysis of Industrial Composite Materials”. Title: *Composites as Strengthening Materials of Concrete Structures*, McGraw Hill, 2000, Edited by M. Gdoutos, K. Pilakoutas and C. Rodopoulos, 407-447.
- C20. Co-author (3/4 Sections) of Chapter 2 of the book “Assessment of Seismic Damage, Repair and Strengthening of Historic Structures”, Hellenic Open University Program on Earthquake Engineering and Earthquake-Resistant Structures. Title: *Materials and Methods of Construction in Old Masonry Structures*, 2004, 20 pages (in Greek).
- C21. Chapter 3 of the book “Assessment of Seismic Damage, Repair and Strengthening of Historic Structures”, Hellenic Open University Program on Earthquake Engineering and Earthquake-Resistant Structures. Title: *Elements of the Mechanics of Masonry*, 2004, 35 pages (in Greek).
- C22. Co-author (3/4 Sections) of Chapter 6 of the book “Assessment of Seismic Damage, Repair and Strengthening of Historic Structures”, Hellenic Open University Program on Earthquake Engineering and Earthquake-Resistant Structures. Title: *Intervention Measures and Redesign*, 2004, 35 pages (in Greek).
- C23. Chapter 6 of the book “State-of-the-Art Review on Design, Testing, Analysis and Applications of Polymeric Composite Connections”. Title: *FRP Connections with Other Materials*, European Commission EUR 18172 EN, 1998, Edited by J. T. Mottram and G. J. Turvey.

(c) Course Notes, Classnotes

- CN1. Course notes: *FRP for Shear Strengthening and Confinement of Reinforced Concrete*, within the framework of the ERASMUS 12-day Intensive Programme “FRP Reinforcement for Concrete”, University of Gent, 2002.
- CN2. Course notes: *Mechanical Behavior of Construction Materials*, University of Patras, 2000, 75 pages (in Greek).
- CN3. Course notes: *Innovative Design of FRP Sections for Bridges*, University of Cambridge Program for Industry 3-day Short Course, Sept. 1995, 45 pages.
- CN4. Classnotes: *Behavior and Design of Steel Structures*, MIT 1990, 210 pages.

(d) Papers in Refereed Journals

1. Koutas, L. N., Tetta, Z., Bournas, D. A. and Triantafillou, T. C. (2018). “Strengthening of Concrete Structures with Textile Reinforced Mortars: State-of-the-Art Review”, *Journal of Composites for Construction*, accepted.
2. Triantafillou, T. C., Karlos, K., Kapsalis, P. and Georgiou, L. (2018). “Innovative Structural and Energy Retrofitting System for Masonry Walls using Textile Reinforced Mortars combined with Thermal Insulation: In-plane Mechanical Behaviour”, *Journal of Composites for Construction*, accepted.
3. Tetta, Z. C., Triantafillou, T. C. and Bournas, D. A. (2018). “On the Design of Shear-strengthened RC Members through the Use of Textile Reinforced Mortar Overlays”, *Composites Part B*, 147, 178-196.
4. Tsantilis, A. V. and Triantafillou, T. C. (2018). “Innovative Seismic Isolation of Masonry Infills using Cellular Materials at the Interface with the Surrounding RC Frames”, *Engineering Structures*, 155, 279-297.
5. Cascardi, A., Aiello, M. A. and Triantafillou, T. C. (2017). “Analysis-oriented Model for Concrete and Masonry Confined with Fiber Reinforced Mortar”, *Materials and Structures, RILEM*, 50:202 doi 10.1617/s11527-017-1072-0.
6. Triantafillou, T. C., Karlos, K., Kefalou, K. and Argyropoulou, E. (2017). “An Innovative Structural and Energy Retrofitting System for URM Walls using Textile Reinforced Mortars

- Combined with Thermal Insulation: Mechanical and Fire Behavior”, *Construction and Building Materials*, 133, 1-13.
7. D’Antino, T. and Triantafillou, T. C. (2016). “Accuracy of Design-oriented Formulations for Evaluating the Flexural and Shear Capacities of FRP-strengthened RC Beams”, *Structural Concrete (Journal of the fib)*, 17(3), 425-442.
 8. Pantazopoulou, S., Tastani, S., Thermou, G., Triantafillou, T., Monti, G., Bournas, D. and Guadagnini, M. (2016). “Background to the European Seismic Design Provisions for Retrofitting RC Elements using FRP Materials”, *Structural Concrete (Journal of the fib)*, 17(2), 194-219.
 9. Aldea, C., Bentur, A., Brameshuber, W., Curbach, M., Dubey, A., Garcia, D., Garmendia, L., Gorinath, S., Gries, T., Hamelin, P., Hegger, J., Jesse, F., Larbi, A., Malaga, Mechtcherine, V., K., Mobasher, Naaman, A., Orlowsky, J., Papanicolaou, C., B., Peled, A., Reinhardt, H.-W., Shah, S., Silva, F., Taerwe, L., Toledo, R., Triantafillou, T. C. and Wastiels, J. (in alphabetical order) (2016). “Uniaxial Tensile Test: Test Method to Determine the Load Bearing Behavior of Tensile Specimens made of Textile Reinforced Concrete”, Recommendation of RILEM TC 232-TDT, *Materials and Structures, RILEM*, DOI 10.1617/s11527-016-0839-z.
 10. Triantafillou, T. C., Choutopoulou, E., Fotaki, E., Skorda, M., Stathopoulou, M. and Karlos, K. (2016). “FRP Confinement of Wall-like Reinforced Concrete Columns”, *Materials and Structures, RILEM*, 19(1), 651-664.
 11. Tzoura, E. A. and Triantafillou, T. C. (2016). “Shear Strengthening of Reinforced Concrete T-beams Under Cyclic Loading with TRM or FRP Jackets”, *Materials and Structures, RILEM*, 49(1), 17-28.
 12. Tzoura, E. A., Triantafillou, T. C., Providakis, C., Tsantilis, A., Papanicolaou, C. G. and Karabalis, D. (2015). “Damage Detection of Reinforced Concrete Columns Retrofitted with FRP Jackets by Using PZT Sensors”, *Structural Monitoring and Maintenance*, 2(2), 165-180.
 13. Papalou, A., Strepelias, E., Roubien, D., Bousias, S. and Triantafillou, T. (2015). “Seismic Protection of Monuments Using Particle Dampers in Multi-Drum Columns”, *Soil Dynamics and Earthquake Engineering*, 77, 360-368.
 14. Papanicolaou, C., Triantafillou, T. C. and Fabregat, P. R. (2015). “Increase of Load-carrying Capacity of Masonry with Textile Reinforced Rendering”, *Mauerwerk / European Journal of Masonry*, 19(1), 40-51. DOI: 10.1002/dama.201500647.
 15. Koutas, L., Triantafillou, T. C. and Bousias, S. N. (2015). “Analytical Modeling of Masonry-Infilled RC Frames Retrofitted with Textile Reinforced Mortar”, *Journal of Composites for Construction, ASCE*, 19(5), 04014082.
 16. Koutas, L., Bousias, S. N. and Triantafillou, T. C. (2015). “Seismic Strengthening of Masonry Infilled RC Frames with TRM: Experimental Study”, *Journal of Composites for Construction, ASCE*, 19(2), 04014048-1.
 17. Providakis, T., Triantafillou, T., Karabalis, D., Papanicolaou, A., Stefanaki, K., Tsantilis, G. and Tzoura E. (2014). “Simulation of PZT Monitoring of Reinforced Concrete Beams Retrofitted with CFRP”, *Smart Structures and Systems*, 14(5), 811-830.
 18. Koutas, L., Pitytzogia, A., Triantafillou, T. C. and Bousias, S. N. (2014). “Strengthening of Infilled Reinforced Concrete Frames with Textile-Reinforced Mortar (TRM): A Study on the Development and Testing of Textile-based Anchors”, *Journal of Composites for Construction, ASCE*, 18(3), A4013015 (1-12).
 19. Triantafillou, T. C. and Matthys, S. (2013). “Fibre Reinforced Polymer Reinforcement Enters MC2010”, *Structural Concrete*, 14(4), 335-341.
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(e) Articles in Non-Refereed Journals (Invited)

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2. Triantafillou, T. C. (2001) "FRPs as Strengthening Materials of Structures: Recent Design Guidelines – Part A", *Bulletin of the Greek Society of Civil Engineers*, 285, 40-44, (in Greek).
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7. Triantafillou, T. C. (1993) “Fiber-Reinforced Plastics in Construction”, *The Construction Specifier Magazine*, July 1993, 89-92.

(f) Keynote Papers

1. Triantafillou, T. C. (2018) “Strengthening of Reinforced Concrete Structures with Textile-Based Composites”, *18^o Greek Concrete Conference*, Athens, March 29-31.
2. Triantafillou, T. C. (2017) “Textile-reinforced cementitious materials in structural and energy retrofitting of concrete structures”, *9th International Symposium on Cement and Concrete*, Wuhan, China, October 31 – November 3.
3. Triantafillou, T. C. (2016) “Seismic Retrofitting of Concrete and Masonry Structures with Composites”, *International Workshop on FRP Seismic Retrofitting*, French Association of Civil Engineering, Lyon, France, September 19-20.
4. Koutas, L. N., Triantafillou, T. C. and Bousias, S. N. (2015) “Seismic Retrofitting of a Three-storey Masonry-infilled RC Frame with Textile-Reinforced Mortar (TRM)”, *12th International Symposium on Fiber Reinforced Polymers for Reinforced Concrete Structures (FRPRCS-12) & 5th Asia-Pacific Conference on Fiber Reinforced Polymers in Structures (APFIS-2015)*, Nanjing, China, December 14-16.
5. Triantafillou, 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”, *1st International Conference on Advances in Civil Infrastructure Engineering*, Changsha, Hunan, China, September 14-16.
6. Triantafillou, T. C. (2012) “Textile-based Composites versus FRP as Strengthening and Seismic Retrofitting Materials of Concrete and Masonry Structures”, *3rd International Conference on Concrete Repair, Rehabilitation and Retrofitting*, Cape Town, South Africa, September 5-7.
7. Triantafillou, T. C. (2011) “Innovative Strengthening and Seismic Retrofitting of Concrete and Masonry Structures using Textile-based Composites”, *7th National Conference on Infrastructure Applications of FRP Composites*, Hangzhou, China, October 15-16.
8. Triantafillou, T. C. (2010) “Innovative Textile-based Composites for Strengthening and Seismic Retrofitting of Concrete and Masonry Structures”, *5th International Conference on Composites in Civil Engineering (CICE 2010)*, Beijing, China, September 27-29.
9. Triantafillou, T. C. (2009) “Composite Materials and Concrete”, *16th Greek Concrete Conference*, Cyprus, Oct. 21-23.
10. Triantafillou, T. C. (2009) “Strengthening and Seismic Retrofitting of Structures with Advanced Composites”, *International Earthquake Symposium Kocaeli 2009*, Kocaeli, Turkey, August 17-19.
11. Triantafillou, T. C. and Bournas, D. A. (2008) “Innovative Seismic Upgrading of RC Columns in Flexure with NSM Reinforcement and Textile-based Jacketing”, *4th International Conference on FRP Composites in Civil Engineering*, Zurich, Switzerland, July 22-24.
12. Triantafillou, T. C. (2007) “Textile-Reinforced Mortars (TRM) versus Fibre-Reinforced Polymers (FRP) as Strengthening and Seismic Retrofitting Materials for Reinforced Concrete and Masonry Structures”, *International Conference on Advanced Composites in Construction (ACIC07)*, University of Bath, UK, April 2-4.
13. Triantafillou, T. C. (2005) “Recent Developments in Strengthening of Concrete Structures with Advanced Composites: Textile Reinforced Mortar Jacketing”, *4th Middle East Conference on the Use of Structural Composites in Infrastructure Applications – MESC-4*, Alexandria, Egypt, May 21-23.
14. Triantafillou, T. C. (2004) “Upgrading Concrete Structures using Advanced Polymer Composites”, *2nd International Conference on Advanced Polymer Composites for Structural Applications in Construction*, University of Surrey, UK, April 20-22.

15. Triantafillou, T. C. (1998) “Fracture Mechanics Approaches to Concrete Strengthening Using FRP Materials”, *3rd International Conference on Fracture Mechanics of Concrete and Concrete Structures*, Gifu, Japan, Oct. 12-16.

(g) Papers in Conference Proceedings

1. 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”, *12th fib International PhD Symposium in Civil Engineering*, Prague, Czech Republic, August 29-31.
2. Karlos, K. and Triantafillou, T. C. (2018) “An Innovative System for Combined Seismic and Energy Retrofitting of Buildings”, *18th Greek Concrete Conference*, Athens, March 29-31.
3. Pavlopoulou, E. and Triantafillou, T. C. (2018) “On the Effect of Strengthening Infill Walls in Seismically Retrofitted Buildings”, *18^o Greek Concrete Conference*, Athens, March 29-31.
4. Triantafillou, T., Karlos, K., Kefalou, K. and Argyropoulou, E. (2017) “An Innovative Structural and Energy Retrofitting System for Masonry Walls using Textile Reinforced Mortars Combined with Thermal Insulation”, *4th International Conference on Strain-Hardening Cement-Based Composites (SHCC4)*, Dresden, Germany, September 17-19.
5. Tetta, Z., Bournas, D. and Triantafillou, T. (2017) “Shear Capacity of RC Beams Strengthened with TRM Jacketing”, *Advanced Composites in Construction 2017*, Sheffield, UK, September 5-7.
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7. Matthys, S. and Triantafillou, T. (2017) “fib Report on Design of Concrete Members Strengthened with Externally Applied Reinforcement”, *fib Symposium 2017*, Maastricht, The Netherlands, June 12-14.
8. Pantazopoulou, S., Tastani, S., Thermou, G. and Triantafillou, T. C. (2017) “Performance-Based Seismic Retrofitting of RC Structures with FRPs – A Background to European Provisions”, *16th World Conference on Earthquake Engineering*, Santiago, Chile, January 9-13.
9. Koutas, L., Triantafillou, T. and Bousias, S. (2016) “Seismic Retrofitting of Reinforced Concrete Infilled Frames using Textile Reinforced Mortar Jackets: Experimental and Analytical Study”, *17th Greek Concrete Conference*, Thessaloniki, November 10-12 (in Greek).
10. Tzoura, E. and Triantafillou, T. (2016) “Strengthening of T-Beams in Cyclic Shear with Textile-based Jackets”, *17th Greek Concrete Conference*, Thessaloniki, November 10-12 (in Greek).
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12. Papanicolaou, C., Kaffetzakis, M. and Triantafillou, T. (2016) “Residual Mechanical Properties of Unretrofitted and Retrofitted Members made of Advanced Cement-based Materials after Fire Testing”, *17th Greek Concrete Conference*, Thessaloniki, November 10-12 (in Greek).
13. Kolyvas, C. S., Triantafillou, T. C. and Bernakos, A. I. (2016) “FRP Confinement of High-aspect Ratio Columns”, *6th International Conference on Concrete Repair*, Thessaloniki, June 20-22 (in Greek).
14. Tzoura, E. and Triantafillou, T. C. (2015) “Shear Strengthening of Reinforced Concrete T-beams under Cyclic Loading with TRM or FRP Jackets”, *12th International Symposium on Fiber Reinforced Polymers for Reinforced Concrete Structures (FRPRCS-12) & 5th Asia-Pacific Conference on Fiber Reinforced Polymers in Structures (APFIS-2015)*, Nanjing, China, December 14-16.
15. Tzoura, E., Triantafillou, T. C., Providakis, C., Tsantilis, A., Papanicolaou, C. G. and Karabalis, D. L. (2015) “Damage Detection of Reinforced Concrete Columns Retrofitted with FRP Jackets by using PZT Sensors”, *International Conference on Recent Advances in Rehabilitation and Sustainability of Structures – RehabStructures 2015*, Azores, June 1-2.

16. Papalou, A., Roubien, D., Triantafillou, 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.
17. Papalou, A., Strepelias, E., Roubien, D., Bousias, S. and Triantafillou, T. (2014) “Vibration Control of Classical Columns Using Particle Dampers”, *26th International Conference on Noise and Vibration Engineering – ISMA2014*, Leuven, September 15-17.
18. 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”, *6th World Conference on Structural Control and Monitoring*, Barcelona, July 15-17.
19. Papalou, A., Strepelias, E., Roubien, D., Bousias, S. and Triantafillou, T. (2014) “Seismic Response of Monuments using Particle Dampers”, *6th World Conference on Structural Control and Monitoring*, Barcelona, July 15-17.
20. Pokharel, S. and Triantafillou, T. (2014) “Seismic Analysis and Retrofitting of Nyatapola Temple in Nepal with Advanced Materials”, *9th International Masonry Conference*, Guimaraes, July 7-9.
21. Koutas, L., Bousias, S. N. and Triantafillou, T. C. (2014) “In-plane Behaviour of a Three-storey Masonry Infilled RC Frame”, *4th International fib Congress*, Mumbai, February 10-14.
22. Bournas, D. A. and Triantafillou, T. C. (2013) “Modeling of Biaxial Bending in RC Columns Strengthened with Externally Applied Reinforcement in Combination with Confinement”, *11th International Symposium on Fiber Reinforced Polymers for Reinforced Concrete Structures (FRPRCS-11)*, Guimaraes, June 26-28.
23. 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”, *11th International Symposium on Fiber Reinforced Polymers for Reinforced Concrete Structures (FRPRCS-11)*, Guimaraes, June 26-28.
24. Kolyvas, C., Bal, I. E., Bernakos, A. and Triantafillou, T. (2013) “Advanced Composite Mortar System for Strengthening of Historical Masonry”, *2nd Conference on Smart Monitoring, Assessment and Rehabilitation of Civil Structures*, Istanbul, September 9-11.
25. Kolyvas, C., Bal, I. E., Bernakos, A. and Triantafillou, T. (2012) “Design Examples of a Textile Mortar System for Strengthening of Historical Masonry Structures”, *10th International Congress on Advances in Civil Engineering*, Ankara, October 17-19.
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27. 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.
28. Kolyvas, C., Bal, I. E., Bernakos, A. and Triantafillou, T. (2012) “Tensile Properties and Design of Reinforced Mortar Composite Strengthening System”, *14th International Conference and Exhibition Structural Faults + Repair 2012*, Edinburg, July 3-5.
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30. Dontas, D., Henkel, F. O., Karydis, P., Moyzakis, Ch., Triantafillou, T. C. and Founti, M. (2011) “Seismic Behavior of Steel Building with Dry Wall Infills”, *7th Greek National Conference on Steel Structures*, Volos, September 29 – October 1 (in Greek).

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32. Bournas, D. A. and Triantafillou, T. C. (2011) "Investigation of Bar Buckling in Columns Confined with Composite Material Jackets", *10th International Symposium on Fiber-Reinforced Polymer Reinforcement for Concrete Structures – FRPRCS10*, Tampa, USA, April 2-4.
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34. Bournas, D. A. and Triantafillou, T. C. (2010) "Effect of Composite Material Confinement on Bond Strength Between Lap-Spliced Bars and Concrete", *3rd fib Congress*, Washington, May 29 – June 2.
35. Papanicolaou, C. G. and Triantafillou, T. C. (2009) "Innovative Strengthening of the Building Heritage using Textile-based Composites", *International Symposium REHABEND 2009*, Bilbao, Spain, Oct. 26-29.
36. Bournas, D. A. and Triantafillou, T. C. (2009) "Strengthening of Reinforced Concrete Columns in Cyclic Flexure with Near-Surface Mounted Reinforcement", *16th Greek Concrete Conference*, Cyprus, Oct. 21-23 (in Greek).
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39. Antonopoulos, C., Liakou, M. and Triantafillou, T. C. (2009) "Retrofitting of Existing Structures: Non-Destructive Assessment, Design of Repair and Strengthening using Advanced Composites and Quality Control of the Technical Execution – Case Studies in Greece and Cyprus", *16th Greek Concrete Conference*, Cyprus, Oct. 21-23 (in Greek).
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41. Palmieri, A., Matthys, S., Taerwe, L. and Triantafillou, T. C. (2009) "Study of the Fire Behaviour of Structures Strengthened with NSM", *9th International Symposium on Fiber-Reinforced Polymer Reinforcement for Concrete Structures – FRPRCS9*, Sydney, Australia, July 13-15.
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54. Aiello, M. A., Sciolti, M. S. and Triantafillou, T. C. (2007) "FRP-strengthened masonry: Bond aspects", *8th International Symposium on Fiber-Reinforced Polymer Reinforcement for Concrete Structures – FRPRCS8*, Patras, Greece, July 16-18.
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59. Papanicolaou, C. G., Triantafillou, T. C., Bournas, D. A. and Lontou, P. V. (2006) "TRM as Strengthening and Seismic Retrofitting Material of Concrete Structures", *1st International RILEM Conference on Textile Reinforced Concrete – ICTRC-I, Aachen*, Germany, Sept. 6-7.
60. Papanicolaou, C. G., Triantafillou, T. C., Karlos, K. and Papathanasiou (2006) "Seismic Retrofitting of Unreinforced Masonry Structures with TRM", *1st International RILEM Conference on Textile Reinforced Concrete – ICTRC-I, Aachen*, Germany, Sept. 6-7.
61. Papanicolaou, C. G. and Triantafillou, T. C. (2006) "Textile-Reinforced Cementitious or Polymeric Materials for Strengthening of Concrete Structures", *2nd fib Congress, Naples*, Italy, June 5-8.
62. Triantafillou, T. C. and Papanicolaou, C. G. (2006) "Textile Reinforced Mortars (TRM): New Materials for Concrete Confinement", *Civil Engineering Infrastructure Systems – CEIS2006*, American University of Beirut, Lebanon, June 12-14 (invited paper).
63. Anastasopoulos, A., Tsimogiannis, A., Toutountzakis, T., Papanicolaou, C. and Triantafillou, T. (2005) "Non-Destructive Testing of Reinforced Concrete Beams using Acoustic Emission", *5th National Conference of the Hellenic Society for Non-Destructive Testing*, Nov. 18-19.
64. Triantafillou, T. C. and Papanicolaou, C. G. (2005) "Textile Reinforced Mortars (TRM) versus Fiber Reinforced Polymers (FRP) as Strengthening Materials of Concrete Structures", *7th*

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65. Triantafillou, T. C. and Papanicolaou, C. G. (2005) “Textile Reinforced Mortars (TRM) versus Fiber Reinforced Polymers (FRP) for Concrete Confinement”, *Construction Materials: Performance, Innovations and Structural Implications – ConMat’05*, Vancouver, Canada, August 22-24 (invited paper).
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 67. Papanicolaou, C. G., Fryganakis, D. G. and Triantafillou, T. C. (2005) “Self-Compacting Concrete: the Greek Experience”, *fib Symposium “Keep Concrete Attractive”*, Budapest, May 23-25.
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 69. Thoma, Th., Panagiotopoulou, D., Triantafillou, T. C., Kappos, A. J., Stavrakakis, G., Melis, N. and Sokos, E. (2005) “Vulnerability Assessment of Existing Buildings and Development of New Materials and Strengthening Techniques”, *World Conference on Disaster Reduction*, Kobe, Japan, January 18-22 (Poster).
 70. Krevaikas, T. and Triantafillou, T. C. (2004) “FRP Jacketing of Masonry Columns”, *2nd International Conference on FRP Composites in Civil Engineering*, Adelaide, Australia, December 8 – 10.
 71. Krevaikas, T. and Triantafillou, T. C. (2004) “A Computational Procedure for the Design of FRP-strengthened Masonry Subjected to In-plane Loading”, *4th International Conference on Advanced Composite Materials in Bridges and Structures*, Calgary, Canada, July 20 – 23.
 72. Krevaikas, T. and Triantafillou, T. C. (2004) “Automated Design of FRP-strengthened Masonry”, *11th European Conference on Composite Materials*, Rhodes, Greece, May 31 – June 3.
 73. Papanicolaou, C. G. and Triantafillou, T. C. (2003) “Self-Compacting Concrete: Overview, Properties and Perspective in Greece”, *14th Greek Concrete Conference*, Kos, Oct. 15-17 (in Greek).
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 75. Papanicolaou, C. G. and Triantafillou, T. C. (2003) “Optimum Design Guidelines for Precast Structural “Sandwich” Panels”, *14th Greek Concrete Conference*, Kos, Oct. 15-17 (in Greek).
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 78. Manita, P. and Triantafillou, T. C. (2003) “The Effect of Aggregate Composition on Physical and Mechanical Characteristics of Repair Mortars”, *8th International Conference on Structural Studies, Repairs and Maintenance of Heritage Architecture (STREMA 2003)*, Halkidiki, May 7-9.
 79. Antonopoulos, C. P. and Triantafillou, T. C. (2003) “Seismic Strengthening of RC Beam-column Joints with Advanced Composites: Analytical Modelling and Experimental Verification”, *fib 2003 Symposium: Concrete Structures in Seismic Regions*, Athens, May 6-9.
 80. Triantafillou, T. C. (2003) “Strengthening of Historic Structures with Advanced Composites: A Review”, *Recent Advances in Composite Materials – In Honor of S. A. Paipetis*, Xanthi, June 12-14 (invited).
 81. Bousias, S. N., Triantafillou, T. C., Fardis, M. N., Spathis, L. A. and O’Regan, B. (2002) “Experimental Behaviour of Deficient Rectangular Columns with Externally Bonded FRPs”, *1st fib Congress: Concrete Structures in the 21st Century*, Osaka, Oct. 13-19.

82. Bousias, S. N., Spathis, L. A., Triantafillou, T. C. and Fardis, M. N. (2002) "Seismic Retrofitting of Corrosion-Damaged RC Columns", *12th European Conference on Earthquake Engineering*, London, Sept. 9-13.
83. Antonopoulos, C. P. and Triantafillou, T. C. (2002) "Analytical and Experimental Study of FRP-strengthened RC Beam-column Joints", *3rd International Conference on Composites in Infrastructure*, San Fransisco, June 10-12.
84. Triantafillou, T. C. (2001) "Strengthening of Historic Structures with Composites", *International Conference on FRP Composites in Civil Engineering*, Special Theme Session on "Strengthening of Historic Structures with FRP", Hong Kong, Dec. 12-14 (invited).
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86. Triantafillou, T. C. (2001) "Seismic Retrofitting of Structures with Advanced Composites – A Review", *International Conference on FRP Composites in Civil Engineering*, Special Theme Session on "New Horizons for FRP Composites in Structural Retrofitting", Hong Kong, Dec. 12-14 (invited).
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90. Triantafillou, T. C., Matthys, S. and Taerwe, L. (2001) "Design of concrete members strengthened with externally bonded FRP reinforcement", *Fifth International Conference on Fibre-Reinforced Polymers for Reinforced Concrete Structures*, Cambridge, UK, July 16-18.
91. Antonopoulos, C. P. and Triantafillou, T. C. (2000) "Strengthening of Reinforced Concrete Beam-Column Joints with Composite Materials", *1st Greek Conference on Composites for Concrete*, Xanthi, Sept. 15-16 (in Greek).
92. Papanicolaou, C. G. and Triantafillou, T. C. (2000) "Study of the Interface between Lightweight and High-performance Concrete", *1st Greek Conference on Composites for Concrete*, Xanthi, Sept. 15-16 (in Greek).
93. Triantafillou, T. C. (1999) "New Strengthening Technique for Reinforced Concrete Members: Analysis and Design Procedure", *13th Greek Concrete Conference*, Rethymno, Oct. 25-27 (in Greek).
94. Papanicolaou, C. G. and Triantafillou, T. C. (1999) "Mechanical Behaviour and Optimum Design of Sandwich Panels made of Fibre-Reinforced High-Strength Concrete Faces and Lightweight Aggregate Concrete Core", *13th Greek Concrete Conference*, Rethymno, Oct. 25-27 (in Greek).
95. Bousias, S., Fardis, M., Triantafillou, T. and Megremis, P. (1999) "Behavior of Beams and Walls Made of Pumice Concrete", *13th Greek Concrete Conference*, Rethymno, Oct. 25-27 (in Greek).
96. Demis, S., Pilakoutas, K., Dritsos, S. and Triantafillou, T. C. (1999) "Durability of Fibre Reinforced Polymers in Concrete", *13th Greek Concrete Conference*, Rethymno, Oct. 25-27 (in Greek).
97. Neocleous, K., Pilakoutas, K., Dritsos, S. and Triantafillou, T. C. (1999) "Design of Concrete Reinforced with Fibre-Reinforced Polymers", *13th Greek Concrete Conference*, Rethymno, Oct. 25-27 (in Greek).
98. Triantafillou, T. C. and Antonopoulos, C. P. (1999) "Design of Concrete Members Strengthened in Shear with FRP Materials", *Fourth International Symposium on Non-Metallic (FRP) Reinforcement for Concrete Structures*, Baltimore, Oct. 31-Nov. 5.
99. Papanicolaou, C. G. and Triantafillou, T. C. (1999) "Mechanical Behaviour and Optimum Design of Concrete Panels made of HSC Faces and LWAC Core", *fib Symposium 1999*, Prague, Oct. 12-15.

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101. Triantafillou, T. C. (1997) "Shear Strengthening of Concrete Members Using Composites", *Third International Symposium on Non-Metallic (FRP) Reinforcement for Concrete Structures*, Sapporo, Japan, Oct. 14-16.
102. Triantafillou, T. C. (1997) "Behaviour of Masonry Structures Strengthened with Composites", *IABSE Conf. on Composite Construction*, Innsbruck, Austria, Sept. 16-18.
103. Triantafillou, T. C. and Fardis, M. N. (1997) "Strength-Based Optimum Design Formulation for Lightweight/High-Strength Concrete Sandwich Panels", *IABSE Conf. on New Technologies in Structural Engineering*, Lisbon, Portugal, July 3-5.
104. 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.
105. Triantafillou, T. C. (1997) "Research Activities in the Structures Division of the Department of Civil Engineering at the University of Patras", Greek National Conference of the Departments of Civil Engineering, Thessaloniki, May 14-17 (in Greek).
106. Triantafillou, T. C. (1996) "Shear Strengthening of Reinforced Concrete Structures Using Composite Materials", *12th Greek Concrete Conference*, Limassol, Cyprus, Oct. 29-31 (in Greek).
107. Papadakis, E. G., Katsafados, H., Christou, Z. N., Triantafillou, T. C., Fardis, M. N. and Vagenas, K. G. (1996) "Development of High Durability Concrete Using Artificial Greek Pozzolans", *12th Greek Concrete Conference*, Limassol, Cyprus, Oct. 29-31 (in Greek).
108. 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.
109. Triantafillou, T. C. (1995) "Innovative Applications of Composite Materials in Construction", *Comp'95 - High Technology Composites in Modern Applications*, Corfu, Greece, Sept. 18-22.
110. 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.
111. 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.
112. 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.
113. Triantafillou, T. C. (1994) "Strengthening of Concrete Structures with Fiber-Reinforced Plastic Materials", *11th Greek Concrete Conference*, Corfu, May 18-20 (in Greek).
114. 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.
115. 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.
116. 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.
117. 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.
118. 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.

119. 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.
120. 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.
121. 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.

(h) Papers in Workshop Proceedings (Invited)

1. 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.
2. 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.
3. 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 8th International Workshop *NDT Experts*, Prague, 12-14 Oct.
4. 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.
5. 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.
6. 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.
7. 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.
8. 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.
9. 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.
10. 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.
11. 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.
12. Henrichsen, A., Triantafillou, T. C., Grumbach, M. and Poyhonen, I. (1998) "Development and Quality of Materials and Structures", Proc. of 2nd Annual Workshop on *Environmentally Friendly Construction Technologies*, organized by the European Council for Construction Research, Development and Innovation, Brussels, Nov. 16-17.

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

CONFERENCE SCIENTIFIC COMMITTEES & SESSION CHAIRMAN

1. ACIC 2019 – 9th International Conference on Advanced Composites in Construction, Birmingham, UK, Member of International Scientific Committee, Sept. 2019.
2. HSTAM2019 – 12th Conference of the Hellenic Society of Theoretical and Applied Mechanics, Thessaloniki, Greece, Member of International Scientific Committee, Sept. 2019.
3. SMAR2019 – 5th International Conference on Smart Monitoring, Assessment and Rehabilitation of Civil Structures, Potsdam, Germany, Member of International Scientific Committee, Aug. 2019.
4. CONSEC 2019 - 9th International Conference on Concrete under Severe Conditions – Environment & Loading, Porto Alegre, Brazil, Member of International Scientific Committee, June 2019.
5. *fib* Symposium 2019 – Innovations in Materials, Design and Structures, Cracow, Poland, Member of International Scientific Committee, May 2019.
6. 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.
7. 1st SACEE 2019 – 1st South Asia Conference on Earthquake Engineering, Member of International Scientific Committee, Febr. 2019.
8. 5th International *fib* Congress 2018, Melbourne, Australia, Member of International Scientific Committee, October 2018.
9. SAHC 2018 – 11th International Conference on Structural Analysis of Historical Constructions, Cusco, Peru, Member of International Scientific Committee, September 2018.
10. CICE 2018 - 9th International Conference on FRP Composites in Civil Engineering, Paris, Member of International Scientific Committee, July 2018.
11. FERRO12 – 12th International Symposium on Ferrocement and Thin Reinforced Composites, Belo Horizonte, Minas Gerais, Brazil, Member of International Scientific Committee, July 2018.
12. 16th European Conference on Earthquake Engineering, Thessaloniki, Greece, Member of International Scientific Committee, June 2018.
13. REHABEND 2018 – Euro-American Congress on Construction Pathology, Rehabilitation Technology and Heritage Management, Caceres, Spain, Member of International Scientific Committee, May 2018.
14. 18th Hellenic Concrete Conference, Athens, Member of Scientific Committee, March 2018.
15. MMS 2017 – International Conference on Mechanics and Materials Science, Guangzhou, China, Member of International Technical Program Committee, Dec. 2017.
16. CORASS 2017 – 2nd International Conference on Recent Advances in Nonlinear Models – Design and Rehabilitation of Structures, Coimbra, Portugal, Member of International Scientific Committee, Nov. 2017.
17. SMAR2017 – 4th Conference on Smart Monitoring, Assessment and Rehabilitation of Civil Structures, Zurich, Switzerland, Member of International Scientific Committee, Sept. 2017.

18. SHCC4 – Strain Hardening Cement-Based Composites, Dresden, Germany, Member of International Scientific Committee, Chairman of Session “Material Design and Mechanical Testing (TRC)”, Sept. 2017.
19. ACIC2017 – International Conference on Advanced Composites in Construction, Sheffield, UK, Member of International Scientific Committee, Sept. 2017.
20. ISERC2017 – International Symposium for Emerging Researchers in Composites for Infrastructure, Wollongong, Australia, Member of International Scientific Committee, Jul. 2017.
21. APFIS2017 – 7th Asia-Pacific Conference on Fiber Reinforced Polymers in Structures, Singapore, Member of International Scientific Committee, Jul. 2017.
22. *fib* Symposium 2017 – High Tech Concrete: Where Technology and Engineering Meet, Maastricht, The Netherlands, Member of International Scientific Committee, June 2017.
23. CCE2017 – Computational Civil Engineering, Iasi, Romania, International Scientific Committee, May 2017.
24. MCEBM2017 – International Conference on Mechanics, Civil Engineering and Building Materials, Member of Technical Program Committee, Apr. 2017.
25. CICE 2016 - 8th International Conference on FRP Composites in Civil Engineering, Hong Kong, China, Member of International Scientific Committee, Dec. 2016.
26. 17th Hellenic Concrete Conference, Thessaloniki, Member of Scientific Committee, Chairman of Session “Composite Materials”, Nov. 2016.
27. CINPAR 2016 – XIIth International Conference on Structural Repair and Rehabilitation, Porto, Portugal, Member of International Scientific Committee, Oct. 2016.
28. MCE2016 – 2nd International Conference on Mechanics and Control Engineering, Guangzhou, China, Member of Technical Program Committee, Oct. 2016.
29. CONSEC 2016 – 8th International Conference on Concrete under Severe Conditions – Environment & Loading, Lecco, Italy, Member of International Scientific Committee, Sept. 2016.
30. ACMBS-VII - 7th International Conference on Advanced Composite Materials in Bridges and Structures, Vancouver, British Columbia, Canada, Member of International Scientific Committee, Aug. 2016.
31. REHABEND 2016 – Euro-American Congress on Building Pathology, Rehabilitation Technology and Heritage Management, Burgos, Spain, Member of International Scientific Committee, Dec. 2015.
32. FRPRCS-12 & APFIS-2015 – Joint 12th International Symposium on Fiber Reinforced Polymers for Reinforced Concrete Structures and 5th 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.
33. PLSE 2015 – 2nd International Conference on Performance-based and Life-cycle Structural Engineering, Brisbane, Australia, Member of International Scientific Committee, Dec. 2015.
34. ICCRRR 2015 – 4th International Conference on Concrete Repair, Rehabilitation and Retrofitting, Leipzig, Member of International Scientific Committee, Oct. 2015.
35. ACIC 2015 - Advanced Composites in Construction, Cambridge, Member of International Scientific Committee, Sept. 2015.
36. SMAR2015 – 3rd Conference on Smart Monitoring, Assessment and Rehabilitation of Civil Structures, Antalya, Turkey, Member of International Scientific Committee, Sept. 2015.
37. ConMat’15 – 5th International Conference on Construction Materials: Performance, Innovations and Structural Implications, Whistler, BC, Canada, Member of International Technical Committee, Aug. 2015.
38. ACE2015 – 2nd International Symposium on Advances in Civil Infrastructure Engineering, Vietri sul Mare, Italy, Member of International Scientific Committee, June 2015.

39. RehabStructures 2015 – International Conference on Recent Advances in Rehabilitation and Sustainability of Structures, Ponta Delgada Azores, Portugal, Member of International Scientific Committee, June 2015.
40. Ferro 11 and 3rd ICTRC - 11th Ferrocement and 3rd International Conference on Textile Reinforced Concrete, Aachen, Germany, Member of International Scientific Committee, June 2015.
41. HPFRCC7 – 7th International Workshop on High Performance Fiber Reinforced Cement Composites, Member of International Committee, June 2015.
42. ACMSM23 - 23rd Australasian Conference on the Mechanics of Structures and Materials, Byron Bay, Australia, Member of the International Scientific Committee, Dec. 2014.
43. CICE 2014 – 7th International Conference on FRP Composites in Civil Engineering, Vancouver, Canada, Member of International Scientific Committee, Aug. 2014.
44. ACE 2014 - 11th International Congress on Advances in Civil Engineering, Istanbul, Member of International Scientific Committee, Oct. 2014.
45. 4th International fib Congress 2014, Mumbai, Member of International Scientific Committee, Febr. 2014.
46. ACIC 2013 – Advanced Composites in Construction, Belfast, Member of International Scientific Committee, Sept. 2013.
47. SMAR 2013 – 2nd International Conference on Smart Monitoring, Assessment and Rehabilitation of Civil Structures, Istanbul, Member of International Scientific Committee, Sept. 2013.
48. FRPRCS-11 – 11th 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.
49. fib Symposium – Engineering a Concrete Future: Technology, Modeling and Construction, Tel-Aviv, Israel, Member of International Scientific Committee, Apr. 2013.
50. 7th International Conference on Concrete under Severe Conditions, Nanjing, China, Member of International Scientific Committee, 2013.
51. PLSE 2012 – 1st International Conference on Performance-based and Life-cycle Structural Engineering, Hong Kong, Member of International Scientific Committee, Dec. 2012.
52. CECOM 2012 – Civil Engineering Infrastructure based on Polymer Composites, Krakow, Poland, Member of International Advisory Committee, Nov. 2012.
53. 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.
54. ACMBS-VI – 6th International Conference on Advanced Composite Materials in Bridges and Structures, Kingston, Ontario, Canada, Member of International Scientific Committee, May 2012.
55. CICE 2012 – 6th International Conference on FRP Composites in Civil Engineering, Rome, Italy, Member of International Scientific Committee, Chairman of Session “Bond”, June 2012.
56. ACIC 2011 – Advanced Composites in Construction, Warwick, Member of International Scientific Committee, Sept. 2011.
57. HPFRCC-6 – International Workshop on High-Performance Fiber Reinforced Cement Composites, Ann Arbor, Michigan, Member of the International Committee, June 2011.
58. NDTMS-2011 – International Symposium on Nondestructive Testing of Materials and Structures, Istanbul, Member of International Scientific Committee, May 2011.
59. FRPRCS-10 - 10th International Symposium on Fiber Reinforced Polymer Reinforcement for Concrete Structures, Tampa, Florida, Member of International Steering Committee, Member of International Scientific Committee, Apr. 2011.
60. 1st Middle East Conference on Smart Monitoring, Assessment and Rehabilitation of Civil Structures, Dubai, Member of International Scientific Committee, Febr. 2011.

61. CICE 2010 – 5th 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.
62. CONSEC’10 – Sixth International Conference on Concrete under Severe Conditions - Environment and Loading, Merida, Yucatan, Mexico, Member of International Scientific Committee, June 2010.
63. 8th International Symposium on Conservation of Monuments in the Mediterranean Basin, Patras, Member of Organizing Committee, May – June 2010.
64. 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.
65. APFIS 2009 – Asia-Pacific Conference on FRP in Structures, Seoul, Korea, Member of International Scientific Committee, Dec. 2009.
66. 16th Hellenic Concrete Conference, Cyprus, Member of the Scientific Committee, Chairman of Session “Strengthening and Repair”, Oct. 2009.
67. ACIC 2009 – Advanced Polymer Composites for Structural Applications in Construction, Edinburgh, Member of International Scientific Committee, Sept. 2009.
68. ConMat’09 – 4th International Conference on Construction Materials: Performance, Innovations and Structural Implications, Nagoya, Japan, Member of International Advisory Board, Aug. 2009.
69. FRPRCS-9 - 9th International Symposium on Fiber Reinforced Polymers for Reinforced Concrete Structures, Sydney, Australia, Member of International Steering Committee, Member of International Scientific Committee, July 2009.
70. 11th Canadian Masonry Symposium, Toronto, Member of International Scientific Committee, May – June 2009.
71. MuRiCo3 – Mechanics of Masonry Structures Strengthened with Composite Materials, Venezia, Italy, Member of International Advisory Committee, Apr. 2009.
72. 3rd Hellenic Conference in Earthquake Engineering and Engineering Seismology, Athens, Member of the Scientific Committee, Nov. 2008.
73. ACMBS-V – 5th International Conference on Advanced Composite Materials in Bridges and Structures, Winnipeg, Canada, Member of International Scientific Committee, Sept. 2008.
74. CICE 2008 – 4th 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.
75. MESC-5 – 5th Middle East Conference on the Use of Structural Composites in Infrastructure Applications, Hurgada, Egypt, Member of International Scientific Committee, May 2008.
76. 1st Hellenic Conference on Structural Materials and Members, Athens, Member of the Scientific Committee, Co-ordinator of Round Table Session on “Development of New Materials – Advanced Structural Materials”, May 2008.
77. CCC 2008 – International Conference on Composites in Construction, Porto, Portugal, Member of International Scientific Committee, Apr. 2008.
78. APFIS 2007 – The Inaugural Asia-Pacific Conference on FRP in Structures, Hong Kong, Member of International Scientific Committee, Dec. 2007.
79. 1st National Conference on “History of Structures”, University of Thrace, Xanthi, Member of the Scientific Committee, Oct. 2007.
80. FRPRCS-8 - 8th 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.

81. HPRCC5 – High Performance Fiber Reinforced Cement Composites, International Workshop, Mainz, Germany, Member of International Committee, July 2007.
82. CONSEC'07 - 5th international Conference on Concrete under Severe Conditions of Environment and Loading, Tours, France, Member of International Advisory Committee, June 2007.
83. 3rd International Conference on Durability & Field Applications of FRP Composites for Construction, Member of International Scientific Committee, May 2007.
84. ACIC 2007 – Advanced Polymer Composites for Structural Applications in Construction, Bath, Member of International Scientific Committee, Apr. 2007.
85. CICE 2006 – 3rd International Conference on FRP Composites in Civil Engineering, Miami, Florida, USA, Member of International Scientific Committee, Dec. 2006.
86. 15^o Hellenic Concrete Conference, Alexandroupolis, Member of the Scientific Committee, Chairman of Session “Concrete and the Environment”, Oct. 2006.
87. 1st ICTRC 2006 – 1st International RILEM Conference on Textile Reinforced Concrete, Chairman of Session “Existing and Future Applications I”, Sept. 2006.
88. 2nd International fib Congress, Naples, Chairman of Sessions “Modelling and Design” and “FRP Reinforcement for New and Existing Structures”, June 2006.
89. MCM-2006 – 14th International Conference on Mechanics of Composite Materials, Riga, Latvia, Member of International Scientific Committee, June 2006.
90. CEIS 2006 – International Conference on Civil Engineering Infrastructure Systems, American University of Beirut, Lebanon, Member of International Scientific Committee, June 2006.
91. International Symposium on Bond Behaviour of FRP in Structures, Hong Kong, Member of International Scientific Committee, Dec. 2005.
92. 7th 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.
93. ConMat'05 – 3rd International Conference on Construction Materials: Performance, Innovations and Structural Implications, Vancouver, Member of International Advisory Committee, Aug. 2005.
94. CCC 2005 – International Conference on Composites in Construction, Lyon, Member of International Scientific Committee, July 2005.
95. ERES 2005 – 5th International Conference on Earthquake Resistant Engineering Structures, Skiathos, Member of International Scientific Advisory Committee, May – June 2005.
96. MESC-4 – 4th Middle East Conference on the Use of Structural Composites in Infrastructure Applications, Alexandria, Egypt, Member of International Scientific Committee, May 2005.
97. CICE 2004 – 2nd International Conference on FRP Composites in Civil Engineering, Adelaide, Australia, Member of International Advisory Committee, Dec. 2004.
98. ACMBS-IV – 4th International Conference on Advanced Composite Materials in Bridges and Structures, Calgary, Alberta, Canada, Member of International Scientific Committee, July 2004.
99. IMTCR-04 – International Conference on Innovative Materials and Technologies for Construction and Restoration, Lecce, Member of International Scientific Committee, June 2004.
100. MCM-2004 – 13th International Conference on Mechanics of Composite Materials, Riga, Latvia, Member of International Scientific Committee, May 2004.
101. 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.
102. 14th Hellenic Concrete Conference, Kos, Member of Scientific Committee, Chairman of Session “Design”, Oct. 2003.
103. CCC 2003 – International Conference on Composites in Construction, Rende (Calabria), Member of International Scientific Committee, Sept. 2003.

104. FRPRCS-6 – 6th International Symposium on Fiber Reinforced Polymers for Reinforced Concrete Structures, Singapore, Member of International Scientific Committee, July 2003.
105. *fib* Symposium - Concrete Structures in Seismic Regions, Athens, Co-Chairman of Session “Seismic Design: Bridges”, May 2003.
106. 5th International Symposium on Advanced Composites, Corfu, Member of International Scientific Committee, May 2003.
107. JEC Composites Show – Focus Construction 2003, Paris, Chairman, Apr. 2003.
108. ICCI-03 – 3rd International Conference on Composites in Infrastructure, San Francisco, Member of International Scientific Committee, June 2002.
109. XII International Conference on Mechanics of Composite Materials – MCM 2002, Riga, Latvia, Member of International Scientific Committee, June 2002.
110. 2nd International Conference on Durability of Fiber Reinforced Polymer (FRP) Composites for Construction, Montreal, Member of International Scientific Committee, May 2002.
111. JEC Composites Show – Focus Construction 2002, Paris, Chairman, Apr. 2002.
112. ACIC 2002 – Advanced Polymer Composites for Structural Applications in Construction, Southampton, Member of International Scientific Committee, Apr. 2002.
113. CICE 2001 – 1st 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.
114. 2nd Hellenic Conference on Earthquake Engineering and Engineering Seismology, Thessaloniki, Member of the Scientific Committee, Nov. 2001.
115. CCC 2001 – International Conference on Composites in Construction, Porto, Member of International Scientific Committee, Chairman of Session “Design Rules and Quality Control”, Oct. 2001.
116. 5th Annual Workshop on Environmentally Friendly Construction Technologies, Rimini, Chairman of Session “Environmentally Friendly Materials”, Oct. 2001.
117. FRPRCS-5 – 5th 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.
118. 8th Euroseminar on Microscopy Applied to Building Materials, Athens, Member of International Scientific Committee, Chairman of Session “Cement and Concrete”, Sept. 2001.
119. 1st Hellenic Conference on Composite Materials in Concrete, Xanthi, Member of the Scientific Committee, Member of the Organizing Committee, Chairman of Session “Technology and Properties of Fiber Reinforced Concrete. Composite Materials in Concrete – Experimental Methods”, Nov. 2000.
120. 4th Annual Workshop on Environmentally Friendly Construction Technologies, Prague, Chairman of Session “High Performance Materials”, Oct. 2000.
121. Technology Transfer Seminar on Advanced FRP Materials for Civil Structures, Bologna, Member of International Scientific Committee, Chairman of Session “Case Studies”, Oct. 2000.
122. International Conference on Technology Watch and Innovation in the Construction Industry, Brussels, Member of International Scientific Committee, Apr. 2000.
123. FRPRCS-4 – 4th International Symposium on Fiber Reinforced Polymers for Reinforced Concrete Structures, Baltimore, Chairman of Session “Shear Performance of FRP Reinforcement”, Oct. 1999.
124. 3rd Annual Workshop on Environmentally Friendly Construction Technologies, Brussels, Chairman of Session “Sustainable Development”, Oct. 1999.
125. 5th ASCE Materials Engineering Congress, Cincinnati, Ohio, Member of Technical Committee and Chairman of Session “Concrete Building Products”, May 1999.

126. 2nd Annual Workshop on Environmentally Friendly Construction Technologies, Brussels, Chairman of Session “High Performance Cementitious Materials in Theory and Practice”, Nov. 1998.
127. FRAMCOS-3 – 3rd International Conference on Fracture Mechanics of Concrete and Concrete Structures, Gifu, Japan, Chairman of Session “Mode II and Mixed Mode Fracture”, Oct. 1998.
128. 1st Annual Workshop on Environmentally Friendly Construction Technologies, Toulouse, Chairman of Session “Concrete Technology”, Oct. 1997.
129. US-Canada-Europe Workshop on Bridge Engineering, Zurich, International Scientific Committee, July 1997.
130. ACMBS-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.
131. 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.
132. Euromech 334, Textile Composites & Textile Structures, Lyon, France, Member of International Scientific Committee, May 1995.
133. 1st International Conference on Composites Engineering, New Orleans, LA, Regional Representative, Aug. 1994.
134. ACMBS-I – 1st International Conference on Advanced Composite Materials in Bridges and Structures, Sherbrooke, Canada, Chairman of Session “Analytical and Design Methods”, Oct. 1992.
135. ASCE Materials Engineering Congress, Atlanta, GA, Chairman of Session “Composite Material Reinforcement for Concrete”, Aug. 1992.
136. 9th Annual ACSA (Association of Collegiate Schools of Architecture) Technology Conference, Harvard University, Chairman of Session “Structures, Materials and Process”, Febr. 1991.

PRINCIPAL INVESTIGATOR OF RESEARCH PROJECTS

1. *Innovative System for Combined Seismic and Energy Retrofitting of Buildings*
EDBM, 2018-2019.
2. *Analytical, Numerical and Experimental Investigation of Steel-Concrete Composites Slabs and Steel Decking*
ELASTRON AVEE, 2017-2018.
3. *European Network for Durable Reinforcement and Rehabilitation Solutions, ENDURE*
ITN, European Commission, 7th Framework Programme, 2013-2017.
4. *Novel Design Concepts for Energy Related Steel Structures Using Advanced Materials*
ARISTEIA II - Investing in Knowledge Society through the European Social Fund
2014-2015, Co-investigator.
5. *Axial Enhancement of Rectangular Concrete Columns with High Aspect Ratio Using Composite Materials*
Funded by Fyfe Co LLC, 2013-2014.
6. *Development and Evaluation of Wireless Monitoring System in Real Time for the Structural Integrity of Concrete Structures using Networked Smart Piezo-electric Sensors*
THALES – Investing in Knowledge Society through the European Social Fund, 2012-2015.
7. *Eurasian University Network on International Collaboration in Earthquakes, EU-NICE*
Erasmus Mundus, European Commission, 7th Framework Programme, 2011-2013.
8. *Masters in Earthquake Engineering and Engineering Seismology, MEEES*
Erasmus Mundus, European Commission, 6th Framework Programme, 2013-2018.

9. *Development, Production and Investigation of New Materials and Structural Members using Ferrocement*
Funded by AKTOR SA, 2011-2012.
10. *Tensile Properties of Textile-reinforced Mortars*
Funded by FYFE Europe, 2010-2011.
11. *The Integrated Safe and Smart Built Concept, I-SSB*
IP, European Commission, 6th Framework Programme, 2007-2010.
12. *Mechanical Behavior of Anchors in Strengthening of Concrete Structures with FRP*
Funded by FYFE Europe, 2008-2010.
13. *Open and Fully Compatible Next Generation Strengthening System for the Rehabilitation of the Mediterranean Building Heritage, OPERHA*
STREP, European Commission, 6th Framework Programme, 2005-2008.
14. *European Network for Composite Reinforcement, EN-CORE*
Marie Curie Research Training Network, European Commission, 6th Framework Programme, 2005-2008.
15. *Assessment of Seismic Vulnerability for Existing Buildings and Development of Advanced Strengthening Materials and Techniques, ARISTION*
Funded by the Hellenic General Secretariat for Research and Technology (in the framework of EPAN 2002), 2003-2006.
16. *Concrete Repair Network, ConRepNet*
Thematic Network, European Commission, 5th Framework Programme, 2001-2005.
17. *Low Risk and Totally Recyclable Structural Buildings, SAFEFLOOR*
European Commission, 5th Framework Progr., 2001-2004.
18. *Development and Diffusion of Design Guidelines for Strengthening of Structures with Composite Materials*
Funded by the Earthquake Planning & Protection Organisation, 2000-2003.
19. *Fiber Reinforced Polymers as Strengthening Materials of Reinforced Concrete Structures*
Funded by the Hellenic General Secretariat for Research and Technology (in the framework of PENED 1999), 2000-2001. Collaboration with the Democritus Univ. of Thrace (co-ordinator).
20. *Use of Recycled Materials as Aggregates in the Construction Industry*
Thematic Network funded by the Eur. Commission, 1998-2001.
21. *Systematic Study of New Strengthening Technique for Reinforced Concrete Elements Using Advanced Composite Materials*
Funded by the Research Committee of the University of Patras (within the framework of the program K. KARATHEODORIS), 1998-2001.
22. *Development of Guidelines for the Design of Concrete Structures Reinforced, Prestressed or Strengthened with Advanced Composites*
TMR Research Network funded by the European Commission, 1997-2001.
23. *Applied Research on the Mechanical Properties of Structural Timber*
Funded by Sakelariou Panagiotis EPE, 2000.
24. *Fracture Toughness of Fibre-Reinforced Concrete Beams*
Funded by the Hellenic Centre of Cement Research, 2000.
25. *Analysis and Design of Reinforced Concrete Members Strengthened with Carbodur and Sikawrap*
Funded by SIKA Hellas, 1999.
26. *Development and Pilot Application of Novel Strengthening/Reinforcement Technique for Masonry Structures using Composite (FRP) Materials*
Funded by the Hellenic General Secretariat for Research and Techn., 1997-1999.
27. *Development of Novel Structural System Based on Reinforced Glulam Timber*
Funded by the Hellenic General Secretariat for Research and Techn., 1997-1999.
28. *Improved Design Criteria for Bolted Connections*
Funded by INASCO Hellas (within the framework of BRITE-EURAM BE95-1780), 1997-1999.

29. *Mechanical and Thermal Behaviour of Expanded Polystyrene Foam*
Funded by UNISOL, 1998.
30. *Mechanical Behavior of Steel-Concrete Composite Slabs*
Funded by KONTI ABEE, 1997.
31. *Strengthening of Concrete and Wood Structures in Shear Using FRP (REPLARK System)*
Funded by SUMITOMO Corporation Hellas S.A. and Mitsubishi Chemical Corporation, 1996-1997.
32. *Preservation of the Cultural Heritage of the Center and the Old City of Patras after the July 1993 Earthquake*
Funded by the Hellenic Ministry of Education and Religion, 1994-1995.
33. *Innovative Strengthening Techniques with Composite Materials*
Funded by the USA National Science Foundation, 1991-1993.
34. *Innovative Design of FRP Composite Members Combined with Concrete*
Funded by the EMPA (Swiss Federal Laboratories for Materials Testing and Research), 1991-1992.
35. *Low Cost Guideways for Maglev (Principal co-investigator)*
Funded by the USA Department of Transportation, Federal Railroad Administration, 1991-1992.
36. *Prestressing of Concrete and Wood Structures with Composite Laminates*
Funded by the EMPA (Swiss Federal Laboratories for Materials Testing and Research), 1990.
37. *Use of Advanced Composites in Structural Engineering*
Funded by the MIT Sloan Fund, 1990-1992.
38. *Advanced Fiber-Reinforced Polymer Composite Materials in the Rehabilitation of Structures*
Funded by the USA Army Research Office, 1990-1992.

CONSULTING EXPERIENCE

1994 – 2017	Principal designer or member of design teams for the strengthening of more than 20 reinforced concrete and masonry structures (including historic structures).
2013 – 2014	Consultant to <i>FYFE EUROPE SA</i> on the “Development of Confinement Systems for Columns with Large Aspect Ratio Cross Sections”.
2012	Consultant to <i>AKTOR SA</i> on the “Development of Ferrocement and Testing of Ferrocement – Steel Joints for the Stavros Niarchos Foundation Cultural Center”.
2010 – 2011	Consultant to <i>FYFE EUROPE SA</i> on the “Development of Design Guidelines for Strengthening of Unreinforced Masonry with Textile-reinforced Mortars”.
2007 – 2010	External Evaluator of the European research project “High Performance Composites Bridges for Rapid Infrastructure Renewal” co-ordinated by <i>Acciona Infraestructuras, SA</i> .
2007 – 2009	Consultant to the <i>Georgia Tech Research Corporation</i> on the “Development of Guide Specification for Externally Bonded FRP Systems for Repair and Strengthening of Concrete Bridge Elements”.
2009	Consultant to <i>Arcelor Mittal Construction Hellas AE</i> for the “Commentary of Research Reports on the Flammability of Sandwich Panels”.
2008	Consultant to <i>Edrasi Ch. Psallidas ATE</i> for the “In-Situ Testing of Masonry Tunnel at the Diakopto-Kalavryta Railway Line”.
2008	Consultant to <i>S&P</i> on the Software programs FRP Lamella and FRP Colonna.
2008	Consultant to <i>AKTOR SA</i> for the “Assessment of Damage in Reinforced Concrete Columns Subjected to Seismic Excitation Shortly after Casting”.
2005 – 2007	Consultant to <i>ENDICO</i> for the seismic retrofitting of four historic masonry structures in Iran.

- 2006 Consultant to *PROLAM* (in Canada) on “Development of Reinforcement System for Glulam Timber Beams using Fiber Reinforced Polymers”.
- 2004 Consultant to *Greek Association of Expanded Polystyrene Producers* on “Technical and Economic Investigation of Expanded Polystyrene for the External Thermal Insulation of Buildings”.
- 2003 Consultant to *ISOMAT ABEE* on “Investigation of the Mechanical Behaviour of MEGAWRAP and MEGAPLATE as Strengthening Materials”.
- 2002 Consultant to *West Greece Region* on “In-situ Testing of Concrete and Design of Repair Measures for the Center of Plant Protection and Quality Control”.
- 2002 Consultant to *ECOTURN ABEE* on “Behaviour of Polymeric Sandwich Panels as Moulding Materials”.
- 2001 – 2002 Consultant to *SIKA Finanz AG* on “Development of Software for the Dimensioning of RC Elements Strengthened with FRP Composites”.
- 2002 and 1997 Consultant to *AVEX* on “Investigation of Physical and Mechanical Properties of Glulam Timber within the Framework of Eurocode 5”.
- 2001 Consultant to *Halcrow* on “Strengthening of Nuclear Power Plants Using Advanced Composite Materials”.
- 1998 – 2001 Scientific Advisor to *ETANE-EFKLIDIS ATE* for the Brite/Euram research program “Monitoring of Large Civil Engineering Structures for Improved Maintenance - MILLENNIUM”.
- 2000 Consultant to *MOYSTAKIS AEE* on “Residual Material Strengths in the ‘Moustakis’ Building after fire”.
- 1999 – 2000 Scientific Advisor to *SIKA HELLAS* and *SINTECNO HELLAS* for the development of “Guidelines for the Dimensioning of Reinforced Concrete Elements Strengthened with Composite Materials”.
- 1995 – 1997 Consultant to the *Technical Chamber of Greece* on “Investigation of two Building Collapses during the Aegion Earthquake”.
- 1994 Consultant to *MIT* and *Bechtel Corporation* on “Investigation of the Deleterious Effects of Electro-Magnetic Fields (EMF) on Steel Rebars Used in Guideways for EDS MAGLEV Systems”.
- 1993 Consultant to *Eldim, Inc.* on “Analytical Models for Mechanical Properties of I Beam Honeycomb”.
- 1991 Consultant to *Norfield Corporation* on “Minimum Cost Design of Norcore Laminated Panels”.
- 1990 Consultant to *Amoco Production Co.* on “Repair Methods for Massive Concrete Foundations”.
- 1989 Consultant to *Martin Marietta* on “Development of Microballoon Reinforced Metal Matrix Composites”.