

ΒΙΟΓΡΑΦΙΚΟ ΣΗΜΕΙΩΜΑ

ΜΙΧΑΛΗΣ ΦΡΑΓΚΙΑΔΑΚΗΣ, PhD



Προσωπικές Πληροφορίες

Όνομα: **Μιχαήλ**
Επώνυμο: **Φραγκιαδάκης**
Ημερομηνία γέννησης: 24 Δεκεμβρίου 1976
Σημερινή θέση: Καθηγητής, Εργαστήριο Αντισεισμικής Τεχνολογίας
Σχολή Πολιτικών Μηχανικών, Εθνικό Μετσόβιο Πολυτεχνείο (ΕΜΠ)
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citations: 2784/4476 ([Scopus/Google Scholar](#)) (20/03/2026)

Στοιχεία επικοινωνίας

Διεύθυνση εργασίας: Ηρώων Πολυτεχνείου 9, Πολυτεχνειούπολη Ζωγράφου, Αθήνα 15772
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Επιστημονικά ενδιαφέροντα

- Αντισεισμική μηχανική
- Σχεδιασμός και αποτίμηση κατασκευών σύμφωνα με τους Ευρωκώδικες
- Δυναμική των κατασκευών
- Υπολογιστικές μέθοδοι για τον σχεδιασμό και την αποτίμηση κατασκευών
- Αξιοπιστία, διακινδύνευση και σεισμική επικινδυνότητα κατασκευών και δικτύων υποδομής
- Επεξεργασία σημάτων & Παρακολούθηση Δομικής Υγείας

- Σχεδιασμός, Επισκευή και Συντήρηση Γεφυρών
- Εφαρμογές μοντέλλων Μηχανικής Μάθησης στην Επιστήμη του Πολιτικού Μηχανικού

Εκπαίδευση

- 2002 – 2006 Διδακτορική Διατριβή, Σχολή Πολιτικών Μηχανικών ΕΜΠ
- 2001 – 2002 ΔΠΜΣ στο Δομοστατικό Σχεδιασμό και στην Ανάλυση των Κατασκευών, Σχολή Πολιτικών Μηχανικών ΕΜΠ
- 2000 – 2001 MSc in Earthquake Engineering and Structural Dynamics, Department of Civil and Environmental Engineering, Imperial College of Science Technology and Medicine, United Kingdom
- 1995 – 2000 Δίπλωμα Πολιτικού Μηχανικού, Σχολή Πολιτικών Μηχανικών ΕΜΠ
- 1995 Απολυτήριο Λυκείου.

Ακαδημαϊκή εμπειρία

- | | |
|------------------------|--|
| 29/8/2024 – σήμερα | Εθνικό Μετσόβιο Πολυτεχνείο
<i>Σχολή Πολιτικών Μηχανικών, Καθηγητής</i> |
| 1/9/2023 – 1/9/2025 | Εθνικό Μετσόβιο Πολυτεχνείο
<i>Σχολή Πολιτικών Μηχανικών, Διευθυντής Τομέα Δομοστατικής</i> |
| 1/12/2022 – 29/08/24 | Εθνικό Μετσόβιο Πολυτεχνείο
<i>Σχολή Πολιτικών Μηχανικών, Διευθυντής Εργ. Αντισεισμικής Τεχνολογίας</i> |
| 1/1/2021 – 29/8/2024 | Εθνικό Μετσόβιο Πολυτεχνείο
<i>Σχολή Πολιτικών Μηχανικών, Αναπληρωτής Καθηγητής</i> |
| 1/1/2021 – 31/12/2023 | Universite Gustave Eiffel (UGE)
<i>MAST/EMGCU Laboratory, Επισκέπτης Καθηγητής (“FUTURE-iSites” project)</i> |
| 1/10/2020 – σήμερα | Ελληνικό Ανοικτό Πανεπιστήμιο
<i>Διαχείριση Τεχνικών Έργων (ΔΧΤ), Συνεργαζόμενο Εκπ. Προσωπικό (ΣΕΠ)</i> |
| 10/05/2016 – 1/1/2020 | Εθνικό Μετσόβιο Πολυτεχνείο
<i>Σχολή Πολιτικών Μηχανικών, Επίκουρος Καθηγητής</i> |
| 20/4/2017 – 30/9/2017 | Institute Mécanique des Fluides Toulouse (IMFT)
<i>Toulouse, France, Επισκέπτης Καθηγητής/Ερευνητής</i> |
| 27/12/2013 – 10/5/2016 | Εθνικό Μετσόβιο Πολυτεχνείο
<i>Σχολή Πολιτικών Μηχανικών, Λέκτορας</i> |
| 1/9/2012 – σήμερα | Σχολή Τεχνικής Εκπαιδεύσεως Αξιωματικών Μηχανικού (ΣΤΕΑΜΧ)
<i>Εντεταλμένος Καθηγητής</i> |
| 3/5/2010 – 31/12/2013 | Πανεπιστήμιο Κύπρου |

	<i>Τμήμα Πολιτικών Μηχανικών και Μηχανικών Περιβάλλοντος, Μεταδιδακτορικός Ερευνητής</i>
1/3/2007 – 31/8/2011	Πανεπιστήμιο Θεσσαλίας <i>Τμήμα Πολιτικών Μηχανικών, Εντεταλμένος Λέκτορας (ΠΔ 407/80)</i>
1/5/2007 – 31/1/2009	University of Pavia <i>Department of Structural Mechanics, Μεταδιδακτορικός Ερευνητής</i>

Ξένες γλώσσες

- Αγγλικά (επίπεδο C2) Cambridge Proficiency in English, May 1997
- Γαλλικά (επίπεδο B2) Diplôme d'études en langue française DELF, Μάιος 2022
- Γερμανικά (επίπεδο B1) Deutsch Fremdsprache für Ausländer, June 1992

Διδακτική εμπειρία

Τρέχουσες αναθέσεις διδασκαλίας:

Σχολή Πολιτικών Μηχανικών, Εθνικό Μετσόβιο Πολυτεχνείο

Μη-γραμμική Ανάλυση Κατασκευών με Ραβδωτά Προσομοιώματα με Εφαρμογές στην Αντισεισμική Μηχανική (μεταπτυχιακό μάθημα)

Μέθοδοι Επεξεργασίας Σημάτων και Εφαρμογή τους στον Αντισεισμικό Σχεδιασμό (μεταπτυχιακό μάθημα)

Εφαρμογές μοντέλλων Μηχανικής Μάθησης στη Μηχανική (μεταπτυχιακό μάθημα)

Δομητικές Επεμβάσεις σε Μνημειακές Κατασκευές (μεταπτυχιακό μάθημα)

Αντισεισμική Τεχνολογία 1

Αντισεισμική Τεχνολογία 2

Γεφυροποιΐα II

Ολοκληρωμένο θέμα Δομοστατικού Σχεδιασμού

Σχολή Τεχνικής Εκπαίδευσης Αξιωματικών Μηχανικού (Σ.ΤΕ.Α.ΜΧ)

Αντισεισμικός Σχεδιασμός 1 & 2

Ελληνικό Ανοιχτό Πανεπιστήμιο (ΕΑΠ)

Διαχείριση Τεχνικών Έργων: Τεχνική της Κατασκευής (ΔΧΤ51)

Παλαιότερες αναθέσεις διδασκαλίας:

Σχολή Πολιτικών Μηχανικών, Εθνικό Μετσόβιο Πολυτεχνείο

Αξιολογία και Ανάλυση Διακινδύνευσης Κατασκευών

Εργαστήριο Η/Υ - Ανάλυση και Σχεδιασμός Κατασκευών

Αντισεισμικές Κατασκευές (κατεύθυνση Υδραυλικού και Συγκοινωνιολόγου)

μηχανικού)

Μέθοδοι επίλυσης με H/Y (3 εξάμηνα, 2015-2017)

Μη-γραμμικά Προσομοιώματα Φορέων ΟΣ και Χάλυβα (μεταπτυχιακό μάθημα, 6 εξάμηνα, 2007-2013)

Στατική V: Πλαστική Ανάλυση Ραβδωτών Φορέων, επικουρική διδασκαλία (3 εξάμηνα, 2003-2006)

Σχολή Τεχνικής Εκπαίδευσης Αξιωματικών Μηχανικού (Σ.ΤΕ.Α.ΜΧ)

Τεχνικά Έργα - Γεφυροποιία 1 (2012-2020)

Τεχνικά Έργα - Γεφυροποιία 2 (2012-2020)

Οπλισμένο Σκυρόδεμα II (1 Εξάμηνο, 2012-2013)

Τμήμα Πολιτικών Μηχανικών, Πανεπιστήμιο Θεσσαλίας

Θεωρία Πλακών και Δίσκων (5 εξάμηνα, 2006-2011)

Στατική II (2 εξάμηνα, 2008-2009 & 2010-2011)

Στατική I (1 εξάμηνο, 2009-2010)

Δυναμική των Κατασκευών II (1 εξάμηνο, 2007-2008)

Τμήμα Πολιτικών Δομικών Έργων, ΤΕΙ Κρήτης

Υπολογισμοί Κατασκευών I (2 εξάμηνα, 2005-2006)

Στατική II, βοηθός διδασκαλίας (2 εξάμηνα, 2005-2006).

Επίβλεψη φοιτητών

Μεταδιδακτορικοί ερευνητές συνεργασία με 3 μεταδιδακτορικούς ερευνητές:

ΜΔ3. Σ. Διαμαντόπουλος

ΜΔ2. Μ. Γεωργιουδάκης

ΜΔ1. Ε. Τογ

Υποψήφιοι διδάκτορες επιβλέπων/συνεπιβλέπων 8 υποψηφίων διδασκόντων:

ΥΔ11. Ξενάκης Βασίλης: Ανάπτυξη σύγχρονων μεθόδων αποτίμησης και ενόργανης παρακολούθησης της δομικής υγείας γεφυρών.

ΥΔ10. Στάμου Αναστάσιος: Μέθοδοι Τεχνητής Νοημοσύνης για την επίλυση αντίστροφων προβλημάτων και την ανάπτυξη ψηφιακών διδύμων.

ΥΔ9. Μαγκανάρης Πέτρος: Αξιολόγηση της δομικής υγείας γεφυρών με χρήση μεθόδων Τεχνητής Νοημοσύνης.

ΥΔ8. Παπούδος Σ.: Σεισμική μόνωση κατασκευών με χρήση Γεωαφρού EPS.

- ΥΔ7. Πρέντζας Ι.: Αξιοποίηση Τεχνικών Τεχνητής Νοημοσύνης και Δεδομένων μεγάλου όγκου στην ανάλυση αξιοπιστίας κατασκευών.
- ΥΔ6. Γιαννή Η: Nonlinear Stochastic Dynamics methods for structural assessment against natural hazards.
- ΥΔ5. Αχμέτ Ζ.: Εφαρμογή μεθόδων μηχανικής μάθησης στην εκτίμηση της δομικής ακεραιότητας κατασκευών έναντι φυσικών κινδύνων.
- ΥΔ4. Γιουβά Ι.: Διερεύνηση του πλαισίου αντιμετώπισης συνεπειών των φυσικών καταστροφών στην Ελλάδα και διατύπωση προτάσεων μελλοντικής βελτίωσης.
- ΥΔ3. Διαμαντόπουλος Σ. (υποστήριξη 3/5/2022): Εκτίμηση της δυναμικής απόκρισης μη-φερόντων στοιχείων και περιεχόμενων κατασκευών σε σεισμική φόρτιση.
- ΥΔ2. Μπακάλης Κ. (υποστήριξη 2/2/2018): Αποτίμηση Σεισμικής Επιτελεστικότητας Ατμοσφαιρικών Δεξαμενών Βιομηχανικών Εγκαταστάσεων (συνεπίβλεψη με κ. Δ. Βαμβάτσικο).
- ΥΔ1. Ζαχαρενάκη Α (υποστήριξη 23/9/2014): Optimum design of steel structures under seismic loading (συνεπίβλεψη με κ Μ. Παπαδρακάκη).

Μέλος της **τριμελούς συμβουλευτικής επιτροπής** σε 28 διδακτορικές διατριβές

Μέλος της **επταμελούς εξεταστικής επιτροπής** σε 20 διδακτορικές διατριβές

Μεταπτυχιακοί φοιτητές επιβλέπων (ή συνεπιβλέπων) 48 μεταπτυχιακών φοιτητών:

48 Τζαφέρης Φώτης Assessment of the Dynamic Response and Structural Integrity of the Malgara and Moschato-Kallithea Bridge Using Accelerometer Measurements and Non-Destructive Testing Methods (Ιαν 2026) 47 Καραμπίνη Μάρθα Finite element investigation of external RC joint behavior (Ιαν 2026) 46 Amal Carol Orthophoto-Based Structural Analysis of the Transfiguration of the Savior Church in Megalochori, Lesvos (Ιαν 2026) 45 Μιχαηλίδης Α. Kalman filter-based damage identification in structural dynamics of structures (Ιουν 2025) 44 Βλάχος Ν. Διερεύνηση της σεισμικής συμπεριφοράς άκαμπτων στερεών σωμάτων (Φεβ 2024) 43 Αλεξανδρίδης Θ. Συγκριτική αξιολόγηση μεθόδων (αλγορίθμων) γένεσης τεχνητών επιταχυνσιογραφημάτων (Φεβ 2024) 42 Σμυρνιώτης Ν. Structural Health Monitoring using the Continuous Wavelet Transform Method (Φεβ 2024) 41 Πάλμος Ι Διερεύνηση Σεισμικής Διέγερσης μιας Γέφυρας Οπλισμένου Σκυροδέματος (Φεβ 2024) σε Έντονα Διαβρωτικό Περιβάλλον (Φεβ 2024) 40 Κούτουλας Κ. Προσομοίωση λικνιζόμενων συστημάτων υπό σεισμική φόρτιση σε περιβάλλον διεπαφής μεταξύ γλώσσας προγραμματισμού και λογισμικού πεπερασμένων στοιχείων (Σεπτ 2023) 39 Βασιλική Καλογεράκου Β. Comparative seismic behaviour investigation of ancient colonnades with reference to the Parthenon (Ιουν 2023) 38 Σπυριλιώτης Θ. Σεισμική συμπεριφορά μουσειακών εκθεμάτων σε βάθρο (Σεπτ. 2022), 37 Σοφιανός Μ. Αντισεισμικός σχεδιασμός πολυώροφου κτηρίου οπλισμένου σκυροδέματος

με εφαρμογή της δεύτερης γενιάς των Ευρωκωδίκων (Σεπτ. 2022), 36 Αναγνώστου Α. Δυναμική απόκριση και ανάλυση αξιοπιστίας υπεράκτιων ανεμογεννητριών (Σεπτ. 2022), 35 Ρεπούσης Ν. Advanced Non Linear Analysis of Frame Structures under Seismic Loading (Φεβ. 2022), 34 Γιαννή Η. Modal Parameter Identification using the Continuous Wavelet Transform (Φεβ. 2022), 33 Πρέντζας Ι. Αλγόριθμοι για την ανάλυση αξιοπιστίας των κατασκευών (Φεβ. 2022), 32 Κανακής Α. Διερεύνηση σεισμικής συμπεριφοράς μουσειακών εκθεμάτων (Φεβ. 2022), 31 Φυλιππατος Α. Διερεύνηση σεισμικής απόκρισης γέφυρας από σκυρόδεμα με λικνιζόμενα βάθρα (Φεβ. 2021), 30 Πεδιαδίτη Ε. Επιταχυνσιογραφηματα Με Αφανες Παλμικο Περιεχομενο: Επιπτώσεις στην απαιτούμενη πλαστιμότητα (Φεβ. 2021), 29 Γιαννοπούλου Ο. Σεισμική Μόνωση Υφιστάμενου Κτιρίου από Τοιχοποιία με χρήση Εφεδράνων Ολίσθησης (Φεβ. 2021), 28 Στυλιανάκης Στ.: Λειτουργική Ιδιομορφική Ανάλυση Κατασκευών Πολιτικού Μηχανικού (Φεβ 2020), 27 Basel Abujabal: A new definition of near field ground motion duration and its effect on RC buildings (Ιουλ 2019), 26 Achmet Zeinep: Application of Machine Learning Algorithms to Rocking Problems (Φεβ 2019), 25 Παναγή Σ.: Συσχέτιση του Μηχανισμού Γένεσις σημαντικών Ελληνικών Σεισμών με χαρακτηριστικά κοντινού πεδίου (Φεβ 2019), 24 Τώρου Ε.Δ.: Διερεύνηση της σημαντικής διάρκειας της ισχυρής εδαφικής κίνησης σε σχέση με παλμούς κατευθυντικότητας (Φεβ 2019), 23 Λαδά Μ.: Συσχέτιση των χαρακτηριστικών του μηχανισμού γένεσης με τους παλμούς κατευθυντικότητας κατά το σεισμό του Northridge (Φεβ 2019), 22 Κολοκυθά Μ.: Προσομοίωση της συμπεριφοράς αγαλμάτων σε σεισμική φόρτιση (Ιουλ 2018), 19 Παλκάνογλου Μ.: Εφαρμογές κραμάτων με μνήμη σχήματος σε κατασκευές Πολιτικού Μηχανικού υπό ανακυκλική φόρτιση (Φεβ. 2018), 18 Χαμοσφακίδης Γ.: Behaviour of RC Frame Structures Under NearField Earthquake Loadings (Φεβ. 2018), 17 Καραχάλιου Δ.: Έλεγχος δομικής ακεραιότητας κατασκευών με μεθόδους ελέγχου σημάτων χρονοϊστοριών απόκρισης σε σεισμό κοντινού πεδίου (Φεβ. 2018), 16 Μπαμπατζέλιου Δ.: Έλεγχος δομικής ακεραιότητας κατασκευών με μεθόδους ελέγχου σημάτων χρονοϊστοριών απόκρισης σε σεισμό κοντινού πεδίου (Φεβ. 2018), 15 Ghanem A.: Vulnerability of RC shear wall structures under near field seismic loading (Φεβ. 2018), 14 Saber M.: Vulnerability of RC shear wall structures under near field seismic loading (Φεβ. 2018), 13 Μαντέλος Μ.: Ανάπτυξη Αδρομερών Μοντέλων με τη μέθοδο Kriging για την Ανάλυση Αξιοπιστίας των Κατασκευών (Ιαν 2017), 12 Διαμαντόπουλος Σ.: Seismic Response Assessment of Rigid and Flexible Rocking Bodies using Simple Finite Element Models (Ιαν 2017), 11 Καπαγιάννης Μ. Αποτίμηση κτηριων απο οπλισμενο σκυροδεμα με χρηση μη γραμμικων μεθοδων αναλυσης συμφωνα με τον ΚΑΝ.ΕΠΕ. (ΕΑΠ, 2013), 10 Μπαλόκας Γ.: Σεισμική απόκριση πλαισίων με στοχαστικές ιδιότητες (Ιουλ 2015), 9 Τόλης Α.: Influence of modeling on the seismic performance assessment of an existing three storey RC building (Οκτ. 2011) (συνεργασία με Β. Παπαδόπουλο), 8 Κάκκαρη Δ.: Ανάλυση υφιστάμενων κατασκευών από ΟΣ σύμφωνα με τον ΚΑΝΕΠΕ (Οκτ. 2011) (συνεργασία με Β. Παπαδόπουλο), 7 Παπαγεωργοπούλου Α.: Μελέτη της επιρροής των εδαφικών συνθηκών στην απόκριση κτηρίων υπό σεισμικές δράσεις (Σεπτ. 2010) (συνεργασία με Μ. Παπαδρακάκη), 6 Μητσέας Ι.: Μέθοδοι υπολογισμού της ικανότητας κατασκευών από ΟΣ ενισχυμένων με Ινοπλισμένα

Ανθρακονήματα (Οκτ. 2009) (συνεργασία με Μ. Παπαδρακάκη), 5 Τσιτσίας Βασίλης: Μη-γραμμικά προσομοιώματα κατασκευών από Οπλισμένο Σκυρόδεμα (Ιούλιος 2008) (συνεργασία με Μ. Παπαδρακάκη), 4 Ζαχαρενάκη Α.: Ground Motion Record Selection for the Performance-based Design of Structures (Οκτ. 2007) (συνεργασία με Μ. Παπαδρακάκη), 3 Βυζιργιαννάκης Β. & Π.: Σύγκριση της Προσαυξητικής στατικής ανάλυσης με τη Δυναμική προσαυξητική ανάλυση με χρονοιστορία σε μεταλλικούς φορείς (Οκτ. 2006) (συνεργασία με Μ. Παπαδρακάκη), 2 Ρίζου Β.: Διερεύνηση μεθόδων Προσομοίωσης Φορέων από Οπλισμένο Σκυρόδεμα υπό Σεισμική Φόρτιση (Μάρτιος 2005) (συνεργασία με Μ. Παπαδρακάκη), 1 Τζινευράκης Σ.: Δυναμική Υπερωθητική Ανάλυση Κατασκευών (Ιούλιος 2004) (συνεργασία με Μ. Παπαδρακάκη).

Προπτυχιακοί φοιτητές επιβλέπων 52 προπτυχιακών φοιτητών στις διπλωματικές τους εργασίες:

52 Γκίκας Ν. (2025), 51 Λουκίδης Μ. (2025), 50 Τόγια Ε. (2025), 49 Ξανθάκου Λ. (2025), 48 Μαλό Κ. (2025), 47 Σιαβελής Κ. (2025), 46 Δραμηλαράκη Ε. (2025), 45 Αρβανίτη Π. (2025) 44 Ξενάκης Β. (2024), 43 Μιχαηλίδης Α. (2023), 42 Παντελάκης Ε. (2022), 41 Κασελουρη Γ. (2022), 40 Παπαπαύλου Ε. (2022), 39 Καλογεράκου Β (2022), 38 Στάμου Τ (2022), 37 Δρόσος Ν (2022), 36 Βαρβέρης Σ (Φεβ 2021), 35 Λιάτσος Χ. (Σεπτ 2020), 34 Λέκκας Α. (Φεβ 2020), 33 Ζαννή Α. (Φεβ 2020), 32 Βλάχος Ν. (Φεβ 2020), 31 Γεωργάκης Π (Φεβ 2019), 30 Κουρόγιωργας Η (Φεβ 2019), 29 Περλορέτζος Μ. (Φεβ 2019), 28 Βενιζέλος Α. (Φεβ 2019), 27 Ρεπούσης Ν. (Φεβ 2019), 26 Γιαννάκου Α (Σεπτ 2018), 25 Μαρκεσίνης Α (Σεπτ 2018), 24 Αγγέλου Ι (Σεπτ 2018), 23 Κούτουλας Κ (Ιούλιος 2018), 22 Αστήθα Α (Φεβ 2018), 21 Κρεμύδα Ε (Φεβ 2018), 20 Μανουσέλης (Φεβ 2017), 19 Μιχαήλ Ε. (Φεβ 2017), 18 Σούλης Σ (Σεπτ 2017), 17 Σταυρακαντωνάκης Γ (Σεπτ 2017), 16 Φέλιου Α (Φεβ 2017), 15 Κολοκύθα Μ (Ιούλιος 2016), 14 Χαραλάμπους Α-Τ (Σεπτ 2016), 13 Θεοφιλάτος Γ-Ε (Σεπτ 2016), 12 Φούντας (Σεπτ 2014), 11 Πτερνέα Μ (Φεβ 2014), 10 Σπαχής Α (Φεβ 2014), 9 Στρατάκη Α (Φεβ 2014), 8 Μπολτσή Α. (Πανεπιστήμιο Θεσσαλίας, Σεπτ. 2011), 7 Μουσαφειρόπουλος Γ. (Πανεπιστήμιο Θεσσαλίας, Σεπτ. 2011), 6 Τόλης Α, (Πανεπιστήμιο Θεσσαλίας, Οκτ. 2009). 5 Μητσέας, Ι. (Πανεπιστήμιο Θεσσαλίας, Οκτ. 2008). 4 Ιωαννίδη Δ. (Ιούλιος 2006) (συνεργασία με Μ. Παπαδρακάκη), 3 Γιοβάνης Δ. (Οκτ. 2005), 2 Παπαϊωάννου Ι. (Μάρτιος 2005), 1 Ρίζου Βαρβάρα (Οκτ. 2003) (συνεργασία με Μ. Παπαδρακάκη).

Αλλοδαποί φοιτητές από προγράμματα ανταλλαγής φοιτητών

Carmin CHAVANNE, Erasmus Internship, *Centrale Méditerranée, Marseille, 2026*, Farzin Kazemi, Doctoral fellow, *Gdańsk University of Technology, Poland, 2025*, Neda Asgarkhani, Doctoral fellow, *Gdańsk University of Technology, Poland, 2025*, Keryan Trevarin (Erasmus Internship, *ENSI CAEN - École nationale supérieure d'ingénieurs de Caen, 2024*), Paul Gros (Erasmus Internship, *École Centrale de Marseille, 2024*), Massad Abdelgadir Osman (MSc student, *University of Naples, 2024*), Akane Harada (Doctoral student, *Osaka University, 2023*), Gianluca Quinci (Doctoral student, *ERASMUS, Roma Tre, 2022*), Forgione Roberto (*ERASMUS, Università Degli Studi Del Sannio, 2021*), Anastasios Koulo-

giannis (*double-diplôme, ENPC France, 2021*, Emanuele Mastrangelo (*University of Basilicata, July 2017*), Sebastien Maitenaz (ENPC France, July 2015: *Seismic reliability assessment of articulated systems subjected to near-fault motions*), Sami Siraj-Dine (ENPC France, July 2014: *Seismic reliability assessment of articulated systems subjected to near-fault motions (in collaboration with I. Psycharis)*).

Ελληνικό Ανοιχτό Πανεπιστήμιο (ΕΑΠ)

Σερέτης Στυλιανός (2026), Ψαλίδας Αθανάσιος (2026), Παπαδιώτη Αλεξάνδρα (2026), Μαμουκάρης Κωνσταντίνος (2026), Καλλή Κ. (2023), Τσουραπάς Ι. (2022), Αναστασοπούλου Θ. (2022), Γιακουμάκης Χρ. (2022), Κουγιουμτζής Ε (2021), Αριφάκος Θ (2021), Καππαγιάννης Μ (2013).

Διοικητική εμπειρία (Σχολή Πολιτικών Μηχανικών ΕΜΠ)

- Μέλος της Κοσμητείας Σχολής Πολιτικών ΕΜΠ (1/9/2023-1/9/2025)
- Διευθυντής Τομέα Δομοστατικής (1/9/2023-1/9/2025)
- Διευθυντής Εργαστηρίου Αντισεισμικής Τεχνολογίας (12/2022 - 12/2025)
- Αναπληρωματικό μέλος του Δ.Σ. της Εταιρεία Αξιοποίησης και Διαχείρισης της Περιουσίας του Εθνικού Μετσόβιου Πολυτεχνείου» (ΕΑΔΙΠ)
- Συγκλητική Επιτροπή Βασικής Έρευνας ΕΜΠ (Εκπρόσωπος Σχολής Πολιτικών Μηχανικών)
- Ακαδημαϊκός υπεύθυνος για τρεις συνεργασίες ERASMUS (Universite Gustave Eiffel, Roma Tre, University of Sannio)
- Μέλος της Επιτροπής Διεθνών Συνεργασιών και ERASMUS της Σχολής Πολιτικών Μηχανικών
- Επιτροπή Επιλογής Διδακτορικών Φοιτητών (τριμελής, 2 θητείες)
- Σχολή Πολιτικών Μηχανικών ΕΜΠ: Επιτροπή Η/Υ και Δικτύων
- Σχολή Πολιτικών Μηχανικών ΕΜΠ: Επιτροπή παραλαβής Οργάνων, Αναλωσίμων και Παροχής Υπηρεσιών (2 θητείες)
- Σχολή Πολιτικών Μηχανικών ΕΜΠ: Μέλος του Τομέα Δομοστατικής Σχολής Πολιτικών ΕΜΠ
- Σχολή Πολιτικών Μηχανικών ΕΜΠ: Μέλος της Γενικής Συνέλευσης Σχολής Πολιτικών ΕΜΠ

Μέλος επιστημονικών εταιριών, συλλόγων και επιμελητηρίων

- Εκπρόσωπος της Ελλάδος στην International Association for Earthquake Engineering (IAEE) (από Νοέμβριο 2019)
- Ελληνικό Τμήμα Αντισεισμικής Μηχανικής (ETAM) (Ταμίας 2016 – 2022)
- Earthquake Engineering Research Institute (EERI)
- American Society of Civil Engineers (ASCE)

- Ελληνική Εταιρεία Θεωρητικής και Εφαρμοσμένης Μηχανικής (ΕΕΘΕΜ)
- Ελληνική Εταιρεία Υπολογιστικής Μηχανικής (ΕΛΕΤΥΜ)
- Τεχνικό Επιμελητήριο Ελλάδος (ΤΕΕ)
- Σύλλογος Πολιτικών Μηχανικών Ελλάδος (ΣΠΜΕ).

Διακρίσεις και υποτροφίες

- Ioannidis, J.P.A. (2025). Stanford University's World's Top 2% Scientists List (Version 7). Mendeley Data\Elsevier.
- Αντιπρόσωπος της Ελλάδος στην Young Investigator Committee (YIC) της ECCOMAS (European Community on Computational Methods in Applied Sciences), 2011-2014.
- “Young researcher fellowship award for exemplary research in Computational Mechanics”, Second M.I.T. Conference on Computational Fluid and Solid Mechanics, Cambridge, MA, USA, June 17, 2003.
- Υποτροφία Ειδικού Λογαριασμού Έρευνας ΕΜΠ, Εκπόνηση Διδακτορικής Διατριβής, 2001.
- Πανελλήνιες εξετάσεις (1994): Χημεία 157/160, Φυσική 152/160, Μαθηματικά 156/160 (ανώτερο 5%).

Συμμετοχή σε Εθνικές Επιτροπές

- Αντιπρόεδρος Οργανισμού Αντισεισμικής Προστασίας (ΟΑΣΠ)
- Μόνιμη ειδική επιστημονική επιτροπή εκτίμησης του σεισμικού κινδύνου και μείωσης της σεισμικής διακινδύνευσης (ΟΑΣΠ – εκπρόσωπος ΕΜΠ, ΦΕΚ 1117 / 1.12.2022).
- Μόνιμη επιστημονική επιτροπή Αντισεισμικών Κατασκευών και Τεχνικής Σεισμολογίας (ΟΑΣΠ)
- Μέλος του Τοπικού Συμβουλίου Μνημείων Νοτίου Αιγαίου (ΤΣΜΝΑ), Υπουργείο Πολιτισμού (1 θητεία, έως Σεπτ. 2023).
- Μέλος του Τοπικού Συμβουλίου Μνημείων Βορείου Αιγαίου (ΤΣΜΒΑ), Υπουργείο Πολιτισμού (1 θητεία, έως Σεπτ. 2023).

Συμμετοχή σε Διεθνείς Επιτροπές

- European Association for Earthquake Engineering, Work Group 13: “Seismic assessment, design and resilience of industrial facilities.”
- ATC-76 (Task Order 6): Applicability of Nonlinear Multiple-Degree-of-Freedom Modelling for Design, U.S. Department of Commerce, National Institute of Standards and Technology (NIST), 2009-2010.

Ερευνητικά Προγράμματα

Επιστημονικός Υπεύθυνος (PI) - Υπεύθυνος Ερευνητικής Ομάδας:

SMART BRIDGES	“National project funded by the Technical Chamber of Greece. The project concerns the instrumentation and the development of an SHM system that is installed on a portfolio of 260 bridges all over the country”.
FOURIER	“InnOvative ArtiFicial IntelligencE methodologIes for monitoRing and maintaining large scale complex infrastrUctures and obtaining greener, more Resilient and smart societies”, MSCA, European Union 2024. (role: PI, project budget: 240,098.40€)
ERROR	“SEismic behavior of degraded nucleaR poweR plant cOlumns due to coRrosion (ERROR)”, User Project under the OFFERR project of HORIZON-EURATOM-2021-NRT-01 funded by the European Commission-Euratom Programme. (role: PI of User Team, project budget: 208,952€)
BEALIVE	“Bioinspired Electroactive Aeronautical Live skin”, H2020-SMS project in the recently granted HORIZON-2023-PATHFINDER-Project No 101129952. (role: Team leader, Team budget: 150,000€)
RESISTANT	“Multiple hazard fRagility assEssment of deteriorated RC bridges uSIng STruc-tural heAlth moNiToring”, HFRI Hellenic Foundation for Research & Innovation 2022. (role: PI, project budget: 187,355€)
SURE	“Sustainable Structured Environment with the Use of Smart Technologies”, GSRT National Research Program, part of project MIS 5130744 (role: PI, project budget: 25,000€)
ESDA	“Efficient nonlinear stochastic dynamics approaches for complex structural systems subject to natural hazards”, HFRI Hellenic Foundation for Research & Innovation 2020. (role: PI, project budget: 185,470 €)
SCIENCE	SpaCeborne SAR Interferometry as a Noninvasive tool to assess the vulnerability over Cultural hEritage sites, Greece-China: GSRT National Research Program, 2003-2005) (role: Team Leader, co-PI– project budget: 340.000€, team budget 75,000€)
SERA/SPIF	Seismology and Earthquake Engineering Research Infrastructure Alliance for Europe”, INFRAIA-01-2016-2017 Research Infrastructure for Earthquake Hazard. Transnational access for the proposal: “A risk-informed decision making analysis for nuclear (NPP) and special risk (SIP) facilities in seismic areas”, hosted in EUCENTER, Pavia, Italy. (role: Team member, estimated project budget: 60.000€)

ARCHYTAS	“Archetypal telemetry and decision support system for the Protection of monumental structures”, GSRT-ESPA. (role: Team Leader, project budget: 743.000€, team budget: 30.000€)
SERA/SEREME	Seismology and Earthquake Engineering Research Infrastructure Alliance for Europe”, INFRAIA-01-2016-2017 Research Infrastructure for Earthquake Hazard. Transnational access for the proposal: ”SE.RE.M.E.: SEismic RESilience of Museum contEnts”, hosted in CEA Paris (role: Team Leader – PI, estimated project budget: 70.000 €)
Thalis	“Fragility assessment and seismic risk assessment for the protection of industrial structures”, GSRT-ESPA, 2007-2013. (project budget: 540.000 €, role: co-PI, fee received: 30.000€)
ACE Hellas	“Optimum Seismic Design of Reinforced Concrete buildings with elastic and inelastic response”, Software development for American Computers for Engineers (ACE Hellas) Ltd, 2006-2008 (project budget: 41.000€, role: co-PI, fee received: 1.462€)

Κύριος ερευνητής:

ABAKAS:	“Sustainable design of Structures”, GSRT-ESPA, 2013.
NIREAS-IWRC:	Principal Researcher: “Seismic assessment of Kouris earth-dam”. NEA YPODOMI / STRATI / 0308 /09 , Co-funded by the European Regional Development Fund and the Republic of Cyprus through the Cyprus Research Promotion Foundation, 2013-2015. (project budget: 2.000.000€, fee received: 27.000€)
Cariplo Foundation:	“Innovative Materials for Structural Rehabilitation in a zone of high seismic risk: Development of models for the interpretation of the behavior of structures reinforced with FRP”. In collaboration with the University of Pavia, 2007-2009. (project budget: 300.000€, fee received: 58.000€)
PENED 2001:	“Detailed modeling and analysis with finite elements of RC buildings under static and dynamic loading”, GSRT National Research Program, 2003-2005. (project budget: 88,000€, fee received: 30.000€)

Ερευνητής με σύμβαση:

MASTER	“Mastering the computational challenges in numerical modelling and optimum design of CNT reinforced composites”, ERC-2011-ADG_20110209, 2014. (project budget: 2,500,000€, fee received: 30.000€)
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Thalis:	“Solving complex analysis problems for the towers of new generation wind turbines”, GSRT-ESPA, April 2012. (project budget: 540.000€, fee received: 1.000€)
ADERS	“Analysis and Design of Earthquake Resistant Structures”, FP7-People-2010-IRSES, 2011-2012. (project budget: 1.400.000€, fee received: 8.400€)

Κριτής ερευνητικών προγραμμάτων

ΕΛΙΔΕΚ	“Ελληνικό Ίδρυμα Έρευνας και Καινοτομίας”, Νοέμβριος 2021 & Απρίλιος-Μάιος 2024.
ΓΓΕΤ	“Set up and support innovative spin-off and spin-out companies”. GSRT-67KAIN2010Δ, Σεπτέμβριος 2013.
EPANET	“Ερευνώ Δημιουργώ Καινοτομώ”. Υπουργείο Εθνικής Παιδείας και Θρησκευμάτων, Σεπτέμβριος 2019.
ΑΣΕΠ	Μέλος 5-μελούς επιτροπής για την πλήρωση 19 θέσεων Ειδικού Επιστημονικού Προσωπικού. Μάιος-Δεκέμβριος 2019.
ΙΚΥ	Κριτής για το Ίδρυμα Κρατικών Υποτροφιών (από το 2018).

Συντάκτης Διεθνών Περιοδικών

- Heylion Engineering (Elsevier)

Μέλος Συντακτικών Επιτροπών Διεθνών Περιοδικών (Editorial Board)

- Engineering Structures (Elsevier)
- Resilient Cities and Structures (Elsevier)
- Associate Editor, Frontiers in Built Environment: Computational Methods in Structural Engineering
- GeoHazards (MDPI)
- Journal of Structural Integrity and Maintenance (Taylor and Francis)
- International Journal of Earthquake and Impact Engineering (Interscience publishers)
- Frontiers in Built Environment: Bridge Engineering
- International Journal of Earthquake Engineering and Hazard Mitigation (IREHM)

Κριτής σε Διεθνή Επιστημονικά Περιοδικά

Κριτής περισσότερων από **250** επιστημονικών άρθρων σε **50** διεθνή περιοδικά. Παρακάτω δίνονται ενδεικτικά οι τίτλοι κάποιων περιοδικών και ο εκδοτικός οίκος:

Elsevier: Computer Methods in Applied Mechanics and Engineering, Computer and Structures, Structural Safety, Journal of Thin Wall Structures, Engineering Structures, Probabilistic Engineering Mechanics, Journal of Fluids and Structures, International Journal of Mechanical Sciences, Advances in Engineering software, Advances in Structural Engineering, Journal of Cultural Heritage, Soft Computing, International Journal of Disaster Risk Reduction, Mechanical Systems and Signal Processing.

Wiley: Earthquake Engineering and Structural Dynamics (EESD), International Journal of Sustainable Engineering, Asian Journal of Control

Springer: Bulletin of Earthquake Engineering, Computational Mechanics, Structural & Multidisciplinary Optimization, Earthquake Engineering and Engineering Vibration, Materials and Structures Water Resources Management, Soft Computing, Natural Hazards

Taylor & Francis: Journal of Earthquake Engineering, Engineering Optimization, Structure and Infrastructure Engineering, Ships and Offshore Structures

ASCE: Journal of Structural Engineering, Engineering Mechanics, Journal of Pipeline Systems, Journal of Computing in Civil Engineering

EERI: Earthquake Spectra

ICE: Structures, Structures & Buildings

ASME: Journal of Pressure Vessel Technology

TechnoPress: Earthquakes and Structures, Steel and Composite Structures

Hindawi: Modelling and Simulation in Engineering

Other publishers: International Journal of Computational Methods (World Scientific Publishing), Scientia Iranica, Journal of Civil Engineering and Construction Practice, The Open Construction and Building Technology Journal, International Journal of Physical Sciences, Korean Society of Civil Engineering, Journal of Civil Engineering, British Journal of Applied Science and Technology (Sciencedomain), Frontiers in Built Environment (Frontiers), NED University Journal of Research, Journal of Civil Engineering IABSE Structural Engineering International.

Ακαδημαϊκές Διαλέξεις (έπειτα από πρόσκληση)

2 April 2025	“The Arkalochori Earthquake on 29/9/2021”, <i>Technical Chamber of Greece</i>
18-23 Nov. 2024	“Passive isolation application to buildings and bridges” in “Semaine Amortisseurs, Vibrations des structures du génie civil”, <i>Ecole Nationale des Pontes et Chaussées</i> , Paris, France.
24 Oct. 2024	“Seismic behavior and reliability assessment of cultural heritage structures”, Jiaotong University, Beijing, China.
20 Oct. 2024	“The 3rd International Symposium on Cultural Heritage Seismic-Protection Technology (3rd ISCHSPT)”, in Chengdu, Sichuan Province, China.

- 22 Nov. 2023 “Passive isolation application to buildings and bridges” in “Semaine Amortisseurs, Vibrations des structures du génie civil”, *Ecole Nationale des Pontes et Chaussées*, Paris, France.
- 23-26 May 2023 “Reliability and health assessment of energy infrastructure”, *22nd European Regional Seminar on Induced Seismicity Effects on the Built Environment, Energy Production, Transportation and Storage*, Zernike Campus, Groningen, Netherlands
- 1 Dec 2022 “Reliability and health assessment of structures: past work and future perspectives”, *Ecole Centrale Nantes*, Nantes, France.
- 14 – 18 Nov 2022 “Passive isolation application to buildings and bridges” in “Semaine Amortisseurs, Vibrations des structures du génie civil”, *Ecole Nationale des Pontes et Chaussées*, Paris, France.
- 18 Oct 2022 “Webinaire ISAS: Nos grands instruments au service du Patrimoine”, Commissariat Atomique Energie C.E.A., France.
- 17 Feb - 10 Mar 2022 “Computational Nonlinear Response Assessment of Structures”, Doctoral Course, 6 sessions of 3 hours, *Université Gustave Eiffel*, Marne-la-Vallée, Paris, France.
- 15 – 19 Nov 2021 “Passive isolation application to buildings and bridges” in “Semaine Amortisseurs, Vibrations des structures du génie civil”, *Ecole Nationale des Pontes et Chaussées*, Paris, France.
- 31 March 2021 “Experimental seismic assessment and protection of museum artefacts”, *University of Cyprus*, Nicosia, Cyprus.
- 19 – 20 Nov 2020 “Passive isolation application to buildings and bridges” in “Semaine Amortisseurs, Vibrations des structures du génie civil”, *Ecole Nationale des Pontes et Chaussées*, Paris, France.
- 1 Sept – 10 Oct 2020 6-week doctoral course on “Reliability and risk assessment of structures and systems”, *Université Paris-Est & Université Gustave Eiffel*, Paris, France.
- 17 December 2019 “Seismic reliability and resilience assessment of pipe networks”, Workshop: “Resilience of pipeline networks to seismic hazards”, *University of Bristol*, Bristol, UK.
- 23 July 2019 “Properties and applications of Shape Memory Alloys”, *CIRIMAT - Centre Inter-universitaire de Recherche et d’Ingenierie des Matériaux*, Toulouse, France.
- 29 May 2018 “Seismic risk and resilience assessment of critical infrastructure”, *Ecole Nationale des Pontes et Chaussées*, Paris, France.

18-25 Sept 2017	1-week seminar doctoral course on “Computational methods for the seismic assessment of structures”, Roma Tre University, Rome, Italy.
13-17 March 2017	“Performance-based risk assessment of critical structures and systems”, <i>Complex Decision Making under Emergency Conditions, Organized by Politecnico di Milano, Politecnico di Torino</i> , Loano, Italy.
1 June 2016	“Nonlinear stochastic analysis of structures with spatially variable system properties”, <i>DeGrieLab Workshop: Structural health monitoring for resilient Infrastructure</i> , Chalkidi, Greece.
22 September 2015	“Seismic reliability assessment of structures, monuments and infrastructure”, <i>University College London</i> , London, UK.
13 March 2013	“Reliability Assessment of urban water distribution networks under seismic loads”, <i>University of Cyprus</i> , Nicosia, Cyprus.
20 November 2011	“Static pushover versus nonlinear dynamic analysis: qualitative/quantitative comparison and seismic risk assessment”, <i>Universidad Autonoma Metropolitana</i> , Azcapotzalco, Mexico City, Mexico.
14 November 2008	“Performance-based design and reliability assessment of seismically excited structures”, <i>University of Cyprus</i> , Nicosia, Cyprus.

Διαλέξεις σε μηχανικούς

1 Δεκ 2012	Ημερίδα για τον Κανονισμό Επεμβάσεων (ΚΑΝ.ΕΠΕ.), Κως 30 Νοεμβρίου 2012 και Κάλυμνος 1 Δεκεμβρίου 2012.
Ιούλ. 2012	Σειρά διαλέξεων: «Εφαρμογή του ΚΑΝΕΠΕ για την αποτίμηση και τον αντισεισμικό σχεδιασμό κατασκευών από ΩΣ», Engineering Intelligence, Αθήνα, Ιούλιος και Νοέμβριος 2012.
Οκτ. 2009	Σειρά διαλέξεων: «Εφαρμογή Νέων Τεχνολογιών στην Ανάλυση και τον Σχεδιασμό Αντισεισμικών Κατασκευών», IEKEM TEE, Αθήνα Σεπτέμβριος 2009 και Θεσσαλονίκη Οκτώβριος 2009.
2008	«Σύγχρονα εργαλεία Η/Υ ανάλυσης, διαστασιολόγησης και αυτοματοποιημένης σχεδίασης κτιριακών έργων από χάλυβα», Εθνικό Κέντρο Δημόσιας Διοίκησης, 2008.

Διοργανωτής διεθνών συνεδρίων (Co-chairman)

- COMPDYN 2027, “11th International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering”, June 2027, Heraklion, Greece.
- COMPDYN 2025, “10th International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering”, June 2025, Rhodes, Greece.

- COMPDYN 2023, “9th International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering”, 12-14 June 2023, Athens, Greece.
- COMPDYN 2021, “8th International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering”, 21-23 June 2021, streamed from Athens, Greece.
- EURODDYN 2020, “11th International Conference on Structural Dynamics”, 23-25 November 2020, Athens, Greece.
- COMPDYN 2019, “7th International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering”, 24-26 June 2019, Hersonissos Crete, Greece.
- COMPDYN 2017, “6th International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering”, 15-17 May, Rhodes, Greece.
- COMPDYN 2011, “3rd International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering”, 26-28 May, Corfu, Greece.
- COMPDYN 2009, “2nd International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering”, 22-24 June 2009, Island of Rhodes, Greece.

Μέλος Οργανωτικής Επιτροπής Διεθνών Συνεδρίων (Organizing Committee)

- CST 2026 “The Sixteenth International Conference on Computational Structures Technology”, 27-29 August 2026, Budapest, Hungary.
- “International Conference on Engineering Structures (ICES2026)”, Australia, 1–4 December 2026.
- “5ο Πανελλήνιο Συνέδριο Αντισεισμικής Μηχανικής και Τεχνικής Σεισμολογίας”, Αθήνα, 20–22 Οκτωβρίου 2022.
- “4ο Πανελλήνιο Συνέδριο Αντισεισμικής Μηχανικής και Τεχνικής Σεισμολογίας”, Αθήνα, 5 – 7 Σεπτεμβρίου 2019.
- “16th European Conference on Earthquake Engineering”, 16ECEE, 18-21 June 2018, Thessaloniki, Greece.
- “European Congress on Computational Methods in Applied Sciences and Engineering”, ECCOMAS Congress 2016, 5-10 June, Crete Island, Greece.
- “5th International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering”, COMPDYN 2015, 25-27 May, Crete Island, Greece.
- “4th International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering”, COMPDYN 2013, 12-14 June, Kos Island, Greece.
- “7th GRACM International Congress on Computational Mechanics”, Greek Association of Computational Mechanics, 30 June - 2 July 2011, Athens, Greece.

Μέλος της Συντακτικής/Επιστημονικής Επιτροπής Διεθνών Συνεδρίων (Scientific Board)

- EVACES 2027 “Experimental Vibration Analysis for Civil Engineering Structures”, Perugia, Italy, 7-10 September 2027.
- ICONREM 2026 “Resilience Multi-risk Assessment and Monitoring”, Florence, Italy 16–19, 2026.
- EUROGEN 2025 “Evolutionary and Deterministic Methods for Design, Optimization and Control”, Lahti, Finland on September 16–18, 2025
- ICOVP-2025 & WMVC-2025 “16th International Conference on Vibration Problems (ICOVP-2025) & 11th International Conference on Wave Mechanics and Vibrations (WMVC-2025)”, Lisbon, Portugal, September 2–5, 2025.
- EURODYN 2026, “13th International Conference on Structural Dynamics”, 27th September - 1st October 2026, Hanover, Germany.
- PROHITECH 2025 “5th International Conference – Protection of Historical Constructions”, Naples 26 –28 March, 2025.
- EVACES 2025 “Experimental Vibration Analysis for Civil Engineering Structures”, Porto, Portugal, 2–4 July 2025.
- SeismiCOM 2024 “5th International Conference on Seismic Design and Analysis of Structures and Foundations”, 20–21 June 2024 (online).
- ICONREM 2024, “3rd International Conference on Resilience, Earthquake Engineering and Structural Health Monitoring”, 24–27 June 2024.
- ICOVP 2023 “16th International Conference on Vibration Problems”, Doha, Qatar, 5-9 February 2023.
- ICOVP 2021 “15th International Conference on Vibration Problems”, Doha, Qatar, 14-17 November 2021.
- EUROGEN 2021 “Evolutionary and Deterministic Methods for Design, Optimization and Control”, Athens, Greece, 17-19 May 2021.
- “The Sixteenth International Conference on Civil, Structural & Environmental Engineering Computing”, Riva del Garda, near Lake Garda, Italy, 16-19 September 2019.
- ICOVP 2019 “14th International Conference on Vibration Problems”, Crete, Greece, 1-4 September 2019.
- ECT2018 2018 “The Tenth International Conference on Engineering Computational Technology”, Sitges, Barcelona, Spain, 4-6 September 2018.
- “16th European Conference on Earthquake Engineering”, 16ECEE, 18-21 June 2018, Thessaloniki, Greece.
- “6th International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering”, COMPDYN 2017, 15-17 June, Rhodes, Greece.

- “The Fourth International Conference on Soft Computing Technology in Civil, Structural and Environmental Engineering”, CIVIL-SOFT-COMP 2015, Prague, Czech Republic, 1-4 September 2015.
- “2nd ECCOMAS Young Investigators Conference (YIC)”, Bordeaux, France, 2-6 September 2013.
- “The Third International Conference on Soft Computing Technology in Civil, Structural and Environmental Engineering”, Cagliari, Sardinia, Italy, 3-6 September 2013.
- “The Second International Conference on Soft Computing Technology in Civil, Structural and Environmental Engineering”, Chania, Crete, 6-9 September 2011.

Διοργάνωση Ειδικών Συνεδριών σε Διεθνή Συνέδρια (Mini Symposia)

- Gianluca Quinci, Cristoforo Demartino, **Michalis Fragiadakis**, “Artificial Intelligence techniques in Seismic Engineering applied to Critical Infrastructures”, *18th European Conference on Earthquake Engineering*, 14-18 September 2026, Berlin, Germany.
- “Seismic retrofit of existing buildings”, **M. Fragiadakis**, A. Sextos, H. Varum, *WCEE2024, 18th World Conference on Earthquake Engineering*, 30 June -5 July 2024, Milan, Italy.
- “Machine learning and AI methods for risk analysis of major hazard process facilities”, F. Paolacci, O. Bursi, **M. Fragiadakis**, *WCEE2024, 18th World Conference on Earthquake Engineering*, 30 June -5 July 2024, Milan, Italy.
- “Digital Bridge Monitoring: Integration of NDTs and Visualisation Tools for Structural and durability Assessment”, M. Rasol, F. Schmidt, I. Brilakis, **M. Fragiadakis**, in *2nd Conference of the European Association on Quality Control of Bridges and Structures – EUROSTRUCT2023*, 27-29 September Vienna, Austria.
- “Optimization methods and applications in Structural Engineering”, Lavan, O., **Frangiadakis, M.**, “15th International Conference on Evolutionary and Deterministic Methods for Design, Optimization and Control”, 1-3 June 2023, Chania, Crete, Greece.
- “Mini-symposium on Artificial Intelligence techniques in Seismic Engineering”, Paolacci, F., Quinci, G., **Frangiadakis, M.**, *9th International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering*, COMPDYN 2023, Athens, Greece.
- “Recent advances in ground motion selection and scaling techniques”, Shaghayegh Karimzadeh, Georgioudakis, M. **Frangiadakis, M.**, *9th International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering*, COMPDYN 2023, Athens, Greece.
- “Recent Advances in Structural Dynamics and Earthquake Engineering”. **Frangiadakis, M.**, Tsiatas, G., Tsopelas, P. , *13th HSTAM International Congress on Mechanics*, Patras, 24-27. August 2022.

- “Seismic protection of non-structural components: recent developments and future challenges”, DiSarno, L., **Fragiadakis, M.**, in *8th International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering*, COMPDYN 2021, 27-30 June, Athens, Greece.
- “Experimental Earthquake Engineering”, Mouzakis, H. **Fragiadakis, M.** in *EURODYN 2020: 11th International Conference on Structural Dynamics*, 23-25 November 2020, Athens, Greece.
- “Seismic Resilience of Museum Contents”, **Fragiadakis, M.**, DiSarno, L., in *7th International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering*, COMPDYN 2019, 24-26 June, Crete, Greece.
- “Special Session: “Dynamics and Seismic Response of Rocking and Self-Centering Structures”, Dimitrakopoulos, E., Vassiliou, M., DeJong, M., **Fragiadakis, M.** in the *16th European Conference on Earthquake Engineering*, 16ECEE, 18-21 June 2018, Thessaloniki, Greece.
- “Dynamic and Seismic Response of Rocking and Self-Centering Structures”, Dimitrakopoulos, E., **Fragiadakis, M.**, Vassiliou, M. in the *6th International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering*, COMPDYN 2017, 15-17 June, Rhodes Island, Greece.
- “Seismic resilience of critical infrastructure and infrastructure”, Vanzi, I, Sextos, A., **Fragiadakis, M.**, Karamanos, S. in the *6th International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering*, COMPDYN 2017, 15-17 June, Rhodes Island, Greece.
- “Dynamics and Seismic Response of Rocking and Self-centering Structures”, DeJong, M., Dimitrakopoulos, E., **Fragiadakis, M.** in the *European Congress on Computational Methods in Applied Sciences and Engineering*, ECCOMAS Congress 2016, 5-10 June, Crete Island, Greece.
- “Stochastic dynamics tools for performance-based engineering”, co-organised by G. Stefanou and **M. Fragiadakis** in the *5th International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering*, COMPDYN 2015, 25-27 May, Crete Island, Greece.
- “Optimization Algorithms in Earthquake Engineering”, co-organised by **M. Fragiadakis** in the *Conference on Engineering and Applied Sciences Optimization (OPTI 2014)*, 4-6 June, Kos Island, Greece.
- “Seismic Analysis and Design of Industrial Facilities and Pipelines”, co-organised by S. Karamanos, P. Dakoulas, V. Papadopoulos and **M. Fragiadakis** in the *4th International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering*, COMPDYN 2013, 12-14 June, Kos Island, Greece
- “Aseismic Design of Structures and Lifelines” organized by M. Papadrakakis and **M. Fragiadakis**, in the EURODYN 2011, *8th International Conference on Structural Dynamics*, Lueven, Belgium, July 4-6, 2011.

- “Seismic Performance Evaluation under Uncertainty” organized by D. Vamvatsikos and **M. Fragiadakis**, in the *International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering*, COMPDYN-2011, Corfu, Greece, May 26-28, 2011.
- “Nonlinear stochastic dynamics of structures with uncertain mechanical and geometric properties” organized by George Stefanou, **Michalis Fragiadakis** and Manolis Papadrakakis in the *10th International Conference on Structural Safety and Reliability*, Osaka, Japan, September 13-17, 2009.
- “Seismic Structural Optimization” organized by M. Papadrakakis, N. Lagaros and **M. Fragiadakis**, in the *14th World Conference on Earthquake Engineering (14WCEE)*, Beijing, China, October 14-17, 2008.
- “Innovative Approaches for Seismic Design using Nonlinear Analysis Methods” organized by **Michalis Fragiadakis**, Christopher M. Foley and Yiannis Tsompanakis, in the *International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering*, COMPDYN2007, Rethymno, Crete, Greece, June 13-16, 2007.

Ανάπτυξη λογισμικού

- **M. Fragiadakis**, M. Georgioudakis and P. Georgakis (2021). SeismoLEE: An online tool for ground motion record processing, *Laboratory for Earthquake Engineering*, School of Civil Engineering, National Technical University of Athens (NTUA), www.seismolee.eu.

Διδακτικές Σημειώσεις

- **M. Fragiadakis**, Lecture notes of the post-graduate course: “Nonlinear Finite Element Modeling of RC and Steel member”, School of Civil Engineering, National Technical University of Athens, October 2015. Course page: [course web page](#), [download notes](#).

Δημοσιευμένο έργο

Συγγραφή-Επιμέλεια Βιβλίων σε Διεθνείς Εκδοτικούς:

- B5. **Fragiadakis M.** “Nonlinear analysis of frame structures under seismic loading”, Springer International publishing (contract No 57747, July 2016), to be delivered.
- B4. Sucuoğlu, H., Akkar, S. (2014). Basic Earthquake Engineering: From Seismology to Analysis and Design. Springer International Publishing, (Translated in Greek). [web page](#)
- B3. S. Christodoulou, **Fragiadakis M.**, A. Agathokleous, S. Xanthos. “Urban Water Distribution Networks: Assessing Systems Vulnerabilities, Failures, and Risks”, Elsevier (2017). [web page](#)

- B2. “Computational Methods in Earthquake Engineering – Vol. 2”, edited by M. Papadrakakis, **Fragiadakis M.**, V. Plevris (Eds.), Springer-Verlag, Berlin (2013). (112000 downloads on 07/04/2024). [web page](#)
- B1. “Computational Methods in Earthquake Engineering”, edited by M. Papadrakakis, **M. Fragiadakis**, N.D. Lagaros (Eds.), Springer-Verlag, Berlin (2011) (56000 downloads on 07/04/2024). [web page](#)

Πρωτότυπες εργασίες σε διεθνή περιοδικά με κριτές

- J62. H. Yanni, **M. Fragiadakis** (2026). “Efficiency of Piezoelectric Cantilever Benders in Actuator and Sensor Mode” *Acta Meccanica*, under review. [download](#)
- J61. A. Stamou, T. Kapoor, **M. Fragiadakis** (2026). “A unified enhanced Separable PINN framework for forward and inverse dynamic analysis of beams and plates”, under review. [download](#)
- J60. P. Broukos, A. Fragkogios, **M. Fragiadakis**, N. Shah (2026). “Application of benders decomposition for the solution of non-linear waste water treatment network design problem”, *Sustainable Futures*, Vol. 11, 101811, doi: 10.1016/j.sftr.2026.101811. [download](#)
- J59. I. Prentzas, **M. Fragiadakis** (2026) “Bayesian updating using multi-fidelity active learning Kriging models”, *Computer Methods in Applied Mechanics and Engineering*, 451, 118658 doi: 10.1016/j.cma.2025.118658 [download](#)
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- J51. Prentzas, I., **Fragiadakis, M.** (2024). Quantified single and multiple active learning Kriging models for structural reliability analysis, *Probabilistic Engineering Mechanics*, Vol.78, 103699, doi: 10.1016/j.probengmech.2024.103699. [download](#).
- J50. Yanni, H., **Fragiadakis, M.**, Mitseas, I (2024). Probabilistic generation of hazard-consistent suites of fully non-stationary seismic records *Earthquake Engineering & Str Dynamics*, Vol. 53, pp. 3140–3164. [download](#).
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Διατριβές - εργασίες:

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Υπόλοιπες δεξιότητες

- Γλώσσες προγραμματισμού: Fortran, Matlab, Python.
- Πακέτα ανάλυσης κατασκευών (Abaqus, SAP 2000, OpenSEES, κ.α.)
- Σχεδιαστικά πακέτα: AutoCAD.
- Microsoft Office, LaTeX.

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