ΒΙΟΓΡΑΦΙΚΟ ΣΗΜΕΙΩΜΑ του ΝΙΚΟΛΑΟΥ ΧΑΤΖΗΑΡΓΥΡΙΟΥ

ΣΠΟΥΔΕΣ

Αποφοίτησε από την Σχολή Ηλεκτρολόγων-Μηχανολόγων Μηχανικών του ΕΜΠ το 1976, και έλαβε μεταπτυχιακό τίτλο Master of Science (1979) και Doctor of Philosophy (1982) στο γνωστικό αντικείμενο του Ενεργειακού Ηλεκτρολόγου από το UMIST (University of Manchester Institute of Science and Technology) στην Αγγλία.

ΕΠΑΓΓΕΛΜΑΤΙΚΗ ΣΤΑΔΙΟΔΡΟΜΙΑ

Από το 1984 είναι μέλος Διδακτικού προσωπικού του Τομέα Ηλεκτρικής Ισχύος της Σχολής Ηλεκτρολόγων Μηχανικών και Μηχανικών Υπολογιστών του ΕΜΠ.

Εκλέχτηκε τακτικός Καθηγητής το 1995.

Συνταξιοδοτήθηκε το Σεπτέμβριο του 2021 και συνεχίζει τις εκπαιδευτικές και ερευνητικές του δραστηριότητες μετά την ανακήρυξη του ως Ομότιμου Καθηγητή από τη Σύγκλητο του ΕΜΠ.

Είναι επισκέπτης καθηγητής στο Πανεπιστήμιο της Vaasa, Φινλανδία από τον Ιούλιο 2022.

Έχει διατελέσει Πρόεδρος του *Διαχειριστή Ελληνικού Δικτύου Διανομής Ηλεκτρικής Ενέργειας Α.Ε.* (*ΔΕΔΔΗΕ Α.Ε.*), από τον Απρίλιο 2015 έως το Σεπτέμβριο του 2019 και Διευθύνων Σύμβουλος έως τον Ιούνιο 2018.

Διετέλεσε Εκτελεστικός Αντιπρόεδρος (2007-2010) και Αναπληρωτής Διευθύνων Σύμβουλος (2007-2012) της *ΔΕΗ Α.Ε*. υπεύθυνος για τη Μεταφορά, τη Διανομή και το Κέντρο Δοκιμών, Ερευνών και Προτύπων (ΚΔΕΠ), Πρόεδρος της *ΔΕΗ Τηλεπικοινωνίες και* Αντιπρόεδρος της *ΔΕΗ Ανανεώσιμες* (2007-2010).

Εχει διατελέσει Αντιπρόεδρος του *ΚΑΠΕ (*2004-2005).

Είναι μέλος της Επιτροπής Ενέργειας της Ακαδημίας Αθηνών από την ίδρυση της το 2006 μέχρι σήμερα.

Εχει διατελέσει μέλος του Τομεακού Επιστημονικού Συμβουλίου (ΤΕΣ) "Ενέργεια & Περιβάλλον"

Εχει διατελέσει Πρόεδρος του Ελληνικού Συνδέσμου Επιχειρήσεων Ηλεκτρισμού (HELAS) από της ιδρύσεως του, το 2007 έως το 2012.

Κατά την περίοδο Απριλίου-Ιουνίου 2013 ήταν Senior Research Fellow στο Πανεπιστήμιο του Durham.

Κατά το έτος 2017 εκλέχτηκε επισκέπτης καθηγητής στο Tsinghua University στο Πεκίνο, το κορυφαίο Πανεπιστήμιο Ηλεκτρολόγων Μηχανικών στην Κίνα και το 2017 σε επισκέπτη καθηγητή του Πανεπιστημίου Hefei. Εχει αναπτύξει διάφορες ερευνητικές συνεργασίες με Κινέζικα Πανεπιστημια, π.χ έχει εκλεγεί Top Foreign Expert με το Hefei.

Από το 2023 είναι μέλος της Chinese Society of Electrical Engineers (CSEE)

Από το 2019 είναι μέλος της Διεθνούς Συμβουλευτικής Επιτροπής του Ερευνητικού Ινστιτιούτου Vebic του Πανεπιστημίου της Vaasa, Φινλανδία.

Από το 2020 είναι μέλος του επιστημονικού συμβουλίου του παγκόσμιου επιστημονικού και ερευνητικού δικτύου (USERN) που αποτελείται από περισσότερους από 600 ερευνητές που περιλαμβάνονται στο 1% των πιο διακεκριμένων επιστημόνων σε όλα τα επιστημονικά πεδία και 19 κατόχους βραβείου Νόμπελ.

Από το 2021 είναι μέλος του επιστημονικού συμβουλίου του διεθνούς ερευνητικού κεντρου IERC στην Ιρλανδία. Το IERC είναι μέλος του Tyndall National Institute, του κορυφαίου ερευνητικού οργανισμού της Ιρλανδίας για τεχνολογίες πληροφορικής, επικοινωνιών και ενέργειας.

ΔΙΟΙΚΗΤΙΚΗ ΔΡΑΣΤΗΡΙΟΤΗΤΑ ΣΤΟ ΕΜΠ

Έχει διατελέσει Διευθυντής του Τομέα Ηλεκτρικής Ισχύος κατά τα ακαδημαϊκά έτη 2000-2001 και 2001- 2002. Κατά τη διάρκεια της θητείας του διοργάνωσε διάφορες ημερίδες για την ενημέρωση της ακαδημαϊκής κοινότητας και των παραγωγικών φορέων για τις ευκαιρίες και προοπτικές που παρουσιάζονται στον τομέα της ενέργειας. Από το 2019 μέχρι το Σεπτέμβριο 2021 ήταν και πάλι Διευθυντής του Τομέα Ηλεκτρικής Ισχύος και μέλος της Κοσμητείας της Σχολής Ηλεκτρολόγων Μηχανικών και Μηχανικών Υπολογιστών του ΕΜΠ.

Εχει διατελέσει μέλος της Συγκλήτου του ΕΜΠ και Πρόεδρος της Ειδικής Συγκλητικής Επιτροπής «Ενεργειακής και Περιβαλλοντικής Διαχείρισης του ΕΜΠ»

Είναι μέλος του Εργαστηρίου Συστημάτων Ηλεκτρικής Ενέργειας, του Τομέα Ηλεκτρικής Ισχύος όπου έχει ιδρύσει και διευθύνει την Ερευνητική Ομάδα “Smart Research Unit for Electricity (SmartRUE)” την οποία στελεχώνουν Διδακτικό Επιστημονικό Προσωπικό, μεταδιδακτορικοί ερευνητές και επιστημονικοί συνεργάτες, υποψήφιοι διδάκτορες και διοικητικό προσωπικό. Η Ομάδα έχει πλήθος δραστηριοτήτων στο πεδίο των Συστημάτων Ηλεκτρικής Ενέργειας, των Ανανεώσιμων Πηγών Ενέργειας, της Διεσπαρμένης Παραγωγής και των Μικροδικτύων.

Η SmartRUE έχει συντονίσει, συμμετάσχει και συμμετέχει σε περισσότερα από 60 Ερευνητικά Προγράμματα όπου αναπτύσσονται ερευνητικά εργαλεία, συνεργασίες με φορείς έρευνας, Πανεπιστήμια, εταιρείες ηλεκτρισμού, ρυθμιστικές αρχές ενέργειας, διαχειριστές συστημάτων και βιομηχανίες σε διεθνές επίπεδο. Δίνεται έτσι η δυνατότητα στα μέλη της Ερευνητικής Ομάδας να αναπτυχθούν και να εξελιχθούν επιστημονικά και επαγγελματικά, καθώς λαμβάνουν συστηματικά μέρος και συνεισφέρουν σε έργα, συνέδρια, επιστημονικές δημοσιεύσεις, τεχνικά εργαστήρια, συγγραφή βιβλίων, συναντήσεις στα πλαίσια έργων, τόσο στο εσωτερικό όσο και στο εξωτερικό. Ταυτόχρονα έχουν τη δυνατότητα μετεκπαίδευσης σε άλλα Ινστιτούτα, Πανεπιστήμια αλλά και φορείς που δραστηριοποιούνται στο χώρο της ενέργειας, για μεγάλα χρονικά διαστήματα.

Το Εργαστήριο Συστημάτων Ηλεκτρικής Ενέργειας είναι ιδρυτικό μέλος του Διεθνούς Οργανισμού Εργαστηρίων DERlab στον οποίον συμμετέχουν τα σημαντικότερα ερευνητικά εργαστήρια από την Γερμανία, Ηνωμένο Βασίλειο, Ολλανδία, Πολωνία, Γαλλία, Αυστρία και ΗΠΑ.

Έχει διατελέσει για 4 χρόνια Αναπληρωτής Διευθυντής του Ερευνητικού Ινστιτούτου Συστημάτων Επικοινωνιών και Υπολογιστών (ΕΠΙΣΕΥ).

Έχει διατελέσει στο παρελθόν και μέχρι το Σεπτέμβριο 2021 Διευθυντής του Διατμηματικού Μεταπτυχιακού Προγράμματος «Παραγωγή και Διαχείριση Ενέργειας» του ΕΜΠ, το οποίο παρέχει μεταπτυχιακούς τίτλους σπουδών στον Τομέα του Ενεργειακού Μηχανικού.

ΔΙΕΘΝΗΣ ΔΡΑΣΤΗΡΙΟΤΗΤΑ

Ήταν για 4 χρόνια (2015-2018) στο Διοικητικό Συμβούλιο του Συνδέσμου των European Distribution System Operators for SmartGrids (EDSO). Μέλη του είναι οι Πρόεδροι και

Διευθύνοντες Σύμβουλοι των 41 μεγαλύτερων Ευρωπαικών Επιχειρήσεων Διανομής Ηλεκτρικής Ενέργειας από 24 Ευρωπαικές χώρες.

Έχει διατελέσει πρόεδρος και συν-πρόεδρος (2016-2020) της Ευρωπαϊκής Τεχνολογικής Πλατφόρμας για τα έξυπνα δίκτυα ενέργειας ETIP SNET (European Technology Platform for Smart Energy Networks in Transition). Σήμερα είναι πρόεδρος τηε Ομάδας Εργασίας WG4. Digitalization of Energy. Η Τεχνολογική Πλατφόρμα επεξεργάζεται και προτείνει τα θέματα της Ευρωπαικής ερευνητικής δραστηριότητας και ανάπτυξης καινοτομίας για τον χώρο της Ενέργειας με χρονικό ορίζοντα το 2050 με συμβολή της Ευρωπαϊκής Βιομηχανίας και εθνικών εκπροσώπων των Κρατών μελών. Στην Ευρωπαϊκή Πλατφόρμα εκπροσωπούσε τον E.DSO (Ευρωπαίους Διαχειριστές Διανομής Ηλεκτρικής Ενέργειας) μεταξύ εκπροσώπων των Διαχειριστών Μεταφοράς Ηλεκτρικής Ενέργειας, Συσκευών Αποθήκευσης, Ανανεώσιμων Πηγών Ενέργειας, Θερμικών Παραγωγών, Κατασκευαστών Εξοπλισμού, Εταιρειών Πληροφορικής και Τηλεπικοινωνιών, Ενώσεων Καταναλωτών, Ρυθμιστών, κλπ.

Έχει διατελέσει μέλος του Board of Directors της EURELECTRIC, του Οργανισμού της Ευρωπαϊκής Ηλεκτρικής Βιομηχανίας εκπροσωπώντας την χώρα μας από το 2007 έως το 2012.

Έχει συμμετάσχει ως Expert Reviewer στο PE7 Panel των ERC Grants τα έτη 2014-2016, 2018, 2020, 2024 και 2025.

Είναι τιμητικό μέλος (Honorary member) της διεθνούς επιστημονικής οργάνωσης CIGRE (Conference Internationale des Grands Reseaux Electriques a Haute Tension), για 6 χρόνια Εθνικός εκπρόσωπος της Επιτροπής Μελέτης SC 38 "System Analysis and Techniques" (1994-2002), μέλος της Συμβουλευτικής Επιτροπής AG 38.02 "Power System Dynamic Performance and Analysis", συντονιστής της AG 38.06 “Models for Load Interaction with Bulk Generation/Transmission Systems”, συντονιστής της Ομάδας Εργασίας TF38.01.10 “Modelling of new forms of Generation and Storage”, και μέλος πολλών ομάδων εργασίας.

Εχει διατελέσει μέλος του Τεχνικού Συμβουλίου της CIGRE και πρόεδρος της Επιτροπής Μελέτης C6 "Distribution Systems and Dispersed Generation", ''Συστήματα Διανομής και Διασπαρμένη Παραγωγή'. Εχει υπάρξει συντονιστής της TFC6.04.01 “Connection Criteria at the Distribution Network for Distributed Generation”, της WGC6.04 “Connection and Protection Practices for

Dispersed Generation” και της WGC6.30 on "The Impact of Battery Energy Storage Systems on Distribution Networks” και μέλος πολλών ομάδων εργασίας.

Ήταν Πρόεδρος της Συμβουλευτικής Επιτροπής “Networks of the Future”, η οποία δημοσίευσε (2020) το Πράσινο Βιβλίο για τις μελλοντικές εξελίξεις στα Συστήματα Ενέργειας, στο οποίο υπήρξε Editor. Έχει διατελέσει CIGRE Special Reporter για το Διεθνές Συνέδριο του 2006 (General Assembly, C6 Session) και μέλος της Οργανωτικής Επιτροπής πολλών Συνεδρίων της CIGRE. Από το 2018 είναι μέλος της Συντακτικής Επιτροπής του περιοδικού ELECTRA. Είναι συντονιστής της κοινής Ομάδας εργασίας CIGRE-World Bank για τη μελέτη των συστημάτων αποθήκευσης στα δίκτυα διανομής αναπτυσσομένων χωρών.

Από το 2024 είναι πρόεδρος της Ελληνικής Επιτροπής της CIGRE.

Είναι Fellow Member (top 1%) του IEEE (Ινστιτούτο Ηλεκτρολόγων και Ηλεκτρονικών Μηχανικών), του μεγαλύτερου διεθνούς Οργανισμού Ηλεκτρολόγων Μηχανικών, μέλος της Power Engineering and Computer Society από το 1980 και μέλος διαφόρων επιτροπών και ομάδων εργασίας του IEEE.

Έχει διατελέσει πρόεδρος της Επιτροπής Δυναμικής Ανάλυσης Συστημάτων Ηλεκτρικής Ενέργειας (IEEE Power System Dynamic Performance Committee) 2008-2010, γραμματέας την περίοδο 2004-2006, και αντιπρόεδρος την περίοδο 2006-2008. Τιμήθηκε με το IEEE PES award for Outstanding Leadership as Chairman of the Power System Dynamic Performance Committee. Επίσης διετέλεσε Πρόεδρος του προγράμματος Τεχνικής Επιτροπής (Technical Committee Program Chair -TCPC) για την PSDP στα πλαίσια της Συνεδρίου IEEE PES GM06 και PES GM07, του Συνεδρίου και Έκθεσης Συστημάτων Ηλεκτρικής Ενέργειας (Power Systems Conference and Exposition -PSCE) το ’06, κλπ. Είχε κύρια συμβολή στην IEEE/CIGRE joint task force on “Stability Terms and Definitions” το 2004 και ήταν πρόεδρος της IEEE PSDP Task Force on "Contribution to Bulk System Control and Stability by Distributed Energy Resources connected at Distribution Networks" (2017), πρόεδρος της IEEE PSDP Task Force on “Stability definitions and characterization of dynamic behavior in systems with high penetration of power electronic interfaced technologies”, (2020), μέλος της IEEE PES Technical Committee Working Group “New Technologies and Practical Applications” (2006), μέλος της IEEE PES Technical Committee

Working Group on “Multi-agent Systems” (2008), μέλος της IEEE PES Technical Committee Task Force on “Blackout Experience, Mitigation and Role of New Technologies” (2009) και μέλος της IEEE PES Task Force on Microgrid Control (2015). Ολες οι παραπάνω εργασίες τιμήθηκαν με βραβεία IEEE PES Technical Committee Working Group Recognition Award.

Από το 2016 έως το 2021 διετέλεσε αρχισυντάκτης (Editor-in Chief) του περιοδικου IEEE Transactions on Power Systems, του κορυφαίου επιστημονικού περιοδικού στα Συστήματα Ηλεκτρικής Ενέργειας διεθνώς. Εχει διατελέσει μέλος των συντακτικών επιτροπών των IEEE Transactions on Sustainable Energy (2010-2016), και των IEEE Transactions on Power Systems (2014-2016) και των περιοδικών IEEE Power&Energy Magazine και Electrification. Σήμερα είναι επιβλέπων αρχισυντάκτης (Editor-in Chief at Large) όλων των περιοδικών της IEEE PES (Power Engineering Society)

Υπήρξε εκπρόσωπος του τμήματος South-East Zone του Region 8 (North-East Europe, Africa and Middle East), το 1998-2002. Έχει διατελέσει επί σειρά ετών (1994-2002) πρόεδρος του Ελληνικού Τομέα Ηλεκτρικής Ισχύος του IEEE (Greek Power Chapter), υπό την καθοδήγηση του οποίου λήφθηκε το 1999 το ‘Outstanding Small Chapter Award’ και πρόεδρος του Ελληνικού Τμήματος (IEEE Greece Section), στο οποίο άλλωστε διατέλεσε γραμματέας και αντιπρόεδρος.

Είναι μέλος της οργανωτικής επιτροπής ‘IEEE/PES Power Tech Conference Steering Committee’, για τα συνέδρια Power Tech που αποτελούν πλέον τα πιο σημαντικά IEEE/PES συνέδρια στην Ευρώπη.

Έχει διατελέσει πρόεδρος τεσσάρων διεθνών συνεδρίων, MedPower (2002), MedPower (2008), ISAP (2003) και ISAP (2011), είναι μέλος συντακτικών επιτροπών διεθνών περιοδικών, προσκεκλημένος ομιλητής πολλών συνεδρίων και μέλος οργανωτικών επιτροπών διαφόρων διεθνών συνεδρίων και σεμιναρίων. Έχει προσκληθεί και έχει δώσει σειρά διαλέξεων στην Ευρώπη (Αγγλία, Γερμανία, Δανία, Ιταλία, Λουξεμβούργο, Πολωνία, Ρουμανία, Ολλανδία, Ισπανία, Πορτογαλία, Φινλανδία, κλπ), στις ΗΠΑ (Berkeley), στο Ισραήλ, στην Ιαπωνία, Καναδά, Κίνα, Αυστραλία, Ιράν, Χιλή, Αίγυπτο, Ηνωμένα Αραβικά Εμιράτα, κλπ. Συμμετέχει συχνά σε Επιτροπές κρίσης μελών ΔΕΠ και Υποψηφίων Διδακτόρων σε Ελληνικά, Ευρωπαικά και Αμερικάνικα Πανεπιστήμια.

Είναι ιδρυτικό μέλος και εκπροσωπεί την Ευρώπη στα Συμπόσια των Microgrids τα οποία διοργανώνονται ετησίως στις ΗΠΑ, Καναδά, Ευρώπη, Ιαπωνία, Ν. Κορέα, Λατινική Αμερική, κλπ.
Είναι Senior Editor του περιοδικού Applied Energy (APEN) της Elsevier.
Είναι Field Chief Editor του περιοδικού Frontiers in Smart Grids.

ΔΙΑΚΡΙΣΕΙΣ - ΒΡΑΒΕΙΑ

Το 2000 έλαβε το βραβείο της CIGRE Technical Committee Award για τη συμβολή του στις εργασίες του CIGRE SC38 "Systems Analysis and Techniques".

In 2006 έλαβε τον τίτλο του "Distinguished CIGRE Member" εις αναγνώριση της προσφοράς του στις εργασίες του οργανισμού.

Το 2012 βραβεύθηκε για την προεδρία του στην Power System Dynamic Performance Committee της IEEE. Εχει βραβευθεί πολλές φορές για τη συμμετοχή του σε ομάδες εργασίες της IEEE.

Το 2015 τιμήθηκε από την Αυστριακή Πρεσβεία με το Energy Globe National Award για το έργο "More Microgrids - advanced architectures and control concepts for more microgrids".

Το 2017 έλαβε το βραβείο IEEE PES Prabha S. Kundur Power System Dynamics and Control award για την συμβολή του στην δυναμική ανάλυση και έλεγχο συστημάτων ηλεκτρικής ενέργειας με διεσπαρμένες πηγές ενέργειας.

Το Νοέμβριο του 2020 ανακηρύχθηκε σε Global Energy Prize Laureate και τιμήθηκε με ένα από τα πλέον σημαντικά διεθνή βραβεία από τη Global Energy Association για την προσφορά του στον χώρο της Ενέργειας (για outstanding scientific innovations and solutions in global energy research and its concurrent environmental challenges) και ιδιαίτερα για την πρωτοποριακή συμβολη του στην «ευστάθεια του συστήματος ενέργειας μέσω ευφυών δικτύων και μικροδικτύων με χρήση τεχνικών τεχνητής νοημοσύνης».

Το 2023 έλαβε το βραβείο IEEE Herman Halperin Electric Transmission and Distribution Award για τη συμβολή του στην ανάπτυξη των μικροδικτύων και αποκεντρωμένων έξυπνων δικτύων.

ΕΡΕΥΝΗΤΙΚΑ ΕΡΓΑ

Εχει συμμετάσχει και συμμετέχει σε περισσότερα από 60 Ερευνητικά Προγράμματα, τα οποία έχουν χρηματοδοτηθεί από την Ευρωπαική Ενωση, Ερευνητικά Κέντρα, Ηλεκτρικές Επιχειρήσεις και Εταιρείες Ηλεκτρολογικού Εξοπλισμού από την Ελλάδα και το εξωτερικό. Τα ερευνητικά προγράμματα έχουν ως αντικείμενο την Βέλτιστη Λειτουργία και Ελεγχο των Συστημάτων Ηλεκτρικής Ενέργειας, την Διεσπαρμένη Παραγωγή, τις Ανανεώσιμες Πηγές Ενέργειας, τα Έξυπνα Δίκτυα, τα Μικροδίκτυα, τα Ηλεκτρικά Οχήματα, κλπ. Στα περισσότερα από τα προγράμματα ήταν επιστημονικός υπεύθυνος της Ελληνικής συμμετοχής ή κύριος ερευνητής. Σε Ευρωπαικό επίπεδο έχει συντονίσει τα διεθνή Ευρωπαικά προγράμματα CARE, MORE CARE, RISE και MICROGRIDS, MORE MICROGRIDS, MERGE και Re-EMPOWERED. Το τελευταίο Ευρωπαικό έργο χρηματοδοτήθηκε στα πλαίσια της συνεργασίας Ευρωπαικής Ένωσης-Ινδίας. Εχει επίσης παράσχει και παρέχει συμβουλευτικές υπηρεσίες σε Επιχειρήσεις Ηλεκτρισμού, Εταιρείες Ηλεκτρολογικού Εξοπλισμού και Εταιρείες δραστηριοποιούμενες στον χώρο των Ανανεώσιμων Πηγών Ενέργειας και στην αποθήκευση. Μία λίστα ενδεικτικών ερευνητικών προγραμμάτων παρέχεται στο τέλος του βιογραφικού σημειώματος.

ΔΗΜΟΣΙΕΥΣΕΙΣ

Είναι συγγραφέας δύο διεθνών βιβλίων (“Microgrids: Architectures and Control”, και “Fundamentals of Power System Resilience: Disruptions by Natural Causes”, IEEE and Wiley & Sons 2015 και 2026, αντίστοιχα), πολλών κεφαλαίων βιβλίων και περισσότερων των 400 δημοσιεύσεων σε έγκυρα επιστημονικά περιοδικά και 650 δημοσιεύσεων σε πρακτικά διεθνών συνεδρίων. Σύμφωνα με το Google Scholar (11/2021) υπάρχουν 68709 αναφορές στις εργασίες του και έχει h-index 102 and i10-index 488.

Από το 2016 έως σήμερα συγκαταλέγεται στο 1% των πιο διακεκριμένων επιστημόνων διεθνώς. Το 2016, 2017 και 2019 κατατάχθηκε από το διεθνή οργανισμό Thomson Reuters στους κορυφαίους 1% πλέον σημαντικούς ερευνητές παγκοσμίως σε όλα τα επιστημονικά πεδία, το 2025 στο 1% των highly cited researchers in the Web of Science Core Collection και σε όλα τα τελευταία χρόνια συγκαταλέγεται στη λίστα των World’s Top 2% Scientists του Stanford University.

ΕΠΙΒΛΕΨΕΙΣ ΔΙΔΑΚΤΟΡΙΚΩΝ ΔΙΑΤΡΙΒΩΝ

Εχει επιβλέψει 34 Διδακτορικές Διατριβές οι οποίες ολοκληρώθηκαν επιτυχώς στα έτη που αναφέρονται στον ακόλουθο κατάλογο. 10 από τους Διδάκτορες κατέχουν σήμερα ακαδημαικές θέσεις, 14 θέσεις στελέχους στη Βιομηχανία και Εταιρείες Ηλεκτρισμού (ΔΕΗ, ΑΔΜΗΕ, ΔΕΔΔΗΕ), 7 είναι μεταδιδακτορικοί Ερευνητές και οι υπόλοιποι εργάζονται ως ανεξάρτητοι επαγγελματίες στον ιδιωτικό τομέα. Αυτή την περίοδο επιβλέπει 8 Υποψήφιους Διδάκτορες.

1. (2024) Theodoros Konstantinou, Researcher University of Cyprus
2. (2024) Panagiotis Pediaditis, Researcher at DTU
3. (2023) Andrew Syrmakezis, Postdoctoral Researcher at NTUA
4. (2022) Dimitris Lagos, Engineer at SmartNet
5. (2020) George Messinis, Engineer at Independent Power Transmission Operator (IPTO)
6. (2019) Kleftakis Vasilios, Engineer at PROTASIS Company
7. (2019) Karakitsios Ioannis, Postdoctoral Researcher at NTUA
8. (2019) Kouveliotis-Lysicatos Jason, Assistant Prof. at University of Patras
9. (2018) Trakas Dimitrios, Postdoctoral Researcher at NTUA
10. (2018) Moutis Panagiotis, Assistant Professor, University College New York
11. (2017) Koukoula Despina, Engineer at the Hellenic Distribution Network Operator (HEDNO)
12. (2017) Kotsampopoulos Panos, Postdoctoral Researcher at NTUA, Head of the EES Laboratory
13. (2017) Karfopoulos Evangelos, Engineer in Smart Grid Technologies, Intracom-Telecom
14. (2017) Asimakopoulou Georgia, Postdoctoral Researcher at NTUA
15. (2014) Anastasiadis Anestis, Strategy Department, Public Power Corporation (PPC)
16. (2013) Orfanos Georgios, Market Analyst, Department of Energy Management, PPC
17. (2012) Sideratos Georgios, Postdoctoral Researcher at NTUA
18. (2012) Charalabos Ilias, Independent Consultant
19. (2011) Margaris Ioannis, Chief Technology, Planning and Strategy Officer, VC BoD at Independent Transmission System Operator (IPTO)
20. (2010) Voumvoulakis Manolis, Engineer at the Hellenic Distribution Network Operator (HEDNO)
21. (2009) Soultanis Nikolaos, Engineer at the Dispatching Center of Independent Transmission System Operator (IPTO)
22. (2008) Tsikalakis Antonios, Assistant Professor at the Hellenic Mediterranean University
23. (2006) Gavogiannis Athanasios, Independent Consultant

24. (2006) Leonidaki Eirini, Head of Planning and Development Section at the Hellenic Distribution Network Operator (HEDNO)
25. (2006) Dimeas Aris, Assistant Professor at NTUA
26. (2005) Moschakis Marios, Associate Professor at University of Thessaly
27. (2005) Kanellos Fotis, Assistant Professor at the Technical University of Crete
28. (2004) Tsirekis Kostas, Director of Transmission New Projects Department, Independent Transmission System Operator (IPTO)
29. (2004) Papadogiannis Kyriakos, Consultant, Co-Owner of ACRON Ltd.
30. (2003) Karapidakis Manolis, Associate Professor, Dean of the School of Engineering at the Hellenic Mediterranean University
31. (2001) Lorentzou Maria, Senior Engineer at IPTO
32. (2000) Georgilakis Pavlos, Associate Professor at NTUA
33. (1997) Fountas Nikolaos, Head T&D Department of ENERTA SA
34. (1986) Karakatsanis Theoklitos, Assistant Professor at the Democritus University of Thrace

ΕΠΙΛΕΓΜΕΝΑ ΕΡΕΥΝΗΤΙΚΑ ΠΡΟΓΡΑΜΜΑΤΑ (ΜΕΤΑ ΤΟ 2010)

- "**ANEMOS.plus**: Advanced Tools for the Management of Electricity Grids with Large-Scale Wind Generation", FP6, Specific Targeted Research Project, Contract N°: 038692, 2008-2011
- "**UPWIND**: Integrated Wind turbine Design", FP7 Integrated Project, Proposal/Contract no.: 019945
- "**SafeWind**: Multi-scale data assimilation, advanced wind modelling and forecasting with emphasis to extreme weather situations for a safe large-scale wind power integration", FP7, STREP, 2008-2012
- "**SmartHouse/SmartGrid**: Smart Houses Interacting with Smart Grids to achieve next-generation energy efficiency and sustainability, FP7, STREP, Grant agreement no.: 224628, 2008-2011
- "**IRENE-40**: Infrastructure Roadmap for Energy Networks in Europe", FP7-ENERGY-2007-2-TREN, Collaborative Project, Grant agreement no.: 218903, 2008-2012
- **"MERGE: Mobile Energy Resources in Grids of Electricity", FP7-ENERGY-2009-1, Collaborative Project, 2010-2012 (4.4 M**€)*****
- "**DERRI** – Distributed Energy Resources Research Infrastructure", EC FP7, 2009 – 2013 (Total budget 9 M€, NTUA budget 169.0k€)
- "**BEAMS** - Buildings Energy Advanced Management System", EC FP7, 2011 **–** 2014 (Total budget 2.8 M€ - NTUA budget 300.8k€)
- "**SmartKye** - Smartgrid KeY NEighborhood indicator cockpit", EC FP7, 2012– 2015 (Total budget 3.2 M€ - NTUA budget 290.8k€)
- "**FastInCharge** - Innovative fast inductive charging solution for electric vehicles", EC FP7, 2012 – 15 (Total budget 2.4 M€- NTUA budget 280 k€)

- "**iGREENGrid**- integratinG Renewables in the EuropEaN Electricity Grid", EC FP7, ENERGY.2012.7.1.1, Grant agreement no: 308864, 2013 – 15 (Total budget 6.7 M€- NTUA budget 410 k€)
- "**SuSTAINABLE** - Smart Distribution System OperaTion for MAximizing the INtegration of RenewABLE Generation", EC FP7, ENERGY.2012.7.1.1, Grant agreement no: 308755, 2013 – 15 (Total budget 5.73 M€- NTUA budget 706.4 k€)
- "**DREAM**" 2013 – 16, FP7-SMARTCITIES-2013 (Total budget 3.75 M€ - NTUA budget 329.4 k€)
- "**SmarterEMC2** - Smarter Grid: Empowering SG Market Actors through Information and Telecommunication Technologies", 2015-2018, H2020-LCE-7- Distribution grid and retail market, (Total budget 3.1 M€ - NTUA budget 430.0 k€)
- "**Nobel Grid**" - Smart Energy for People, 2015-2018, H2020-LCE-2014-3, (Total budget 13.9 M€ - NTUA budget 938.5 k€)
- "**ERIgrid** - ***European Research Infrastructure supporting Smart Grid Systems Technology Development, Validation and Roll Out*** ", INFRAIA-2014-2015 Integrating and Opening National and Regional Research Infrastructures of European Interest, H2020 Program, Grant Agreement No. 654113, 2016-2020 (Total budget 9.99 M€ - NTUA budget 596.9 k€)
- **SHAR-Q,** EU Horizon 2020, Grant agreement No 731285 The SHAR-Q network is a peer-to peer (P2P) inter-operability network that connects neighbourhooding RES+Storage ecosystems in order to create a decentralized collaboration framework that optimizes the storage capacities deployed in the grid (1/11/2016-31/10/2019) (Total Budget 4 M€)
- **WISEGRID** EU Horizon 2020, Grant Agreement No. 731205, The WiseGRID project provides a set of solutions, technologies and business models which increase the smartness, stability and security of an open, consumer-centric European energy grid (01/11/2016 – 01/05/2020) (Total **Budget**: 17.6 M€- NTUA1.2 M€)
- **GridSol** EU Horizon 2020, Grant Agreement 727362. The project aims to provide secure, clean and efficient electricity by solar thermal power stations combining primary renewable energy sources and an advanced control system supplying secure electricity and contributing to grid stability. (01/10/2016-31/09/2019), (Total Budget 3.4 M€ - NTUA 318k€)
- **iDistributedPV,** EU Horizon 2020. The project aims to develop affordable integrated solutions to enhance the penetration of distributed solar PV (buildings) based on the effective integration of solar PV equipment, energy storage, monitoring and controlling strategies and active demand management, (1 September 2017-1 April 2020)
- **TESTBED**: "Testing and Evaluating Sophisticated information and communication Technologies for enaBling a smartEr griD", is a Research and Innovation Staff Exchange (RISE) project under Horizon2020 Marie Skłodowska-Curie Actions (MSCA), Grant Agreement No.: 734325, Project (01/2017-12/2019)
- **CROSSBOW,** funded by the EU Horizon 2020 R&I programme under the grant agreement No. 773430. This is a TSO driven project with two interrelated strategic goals: it aims at the successful deployment in the market of a set of technological solutions which enable increasing the shared use of resources to foster transmission networks cross-border management of variable renewable energies and storage units, making possible a higher penetration of clean energies whilst reducing

network operational costs and improving economic benefits of RES and storage units. (1/11/2017-31/12/2021), Total Budget 17.2 M€ - NTUA budget 1.3 M€.

- **CoordiNet, funded by the EU Horizon 2020 R&I programme under the grant agreement No. SEP-210509396.** The CoordiNet Innovation Action project aims to demonstrate how DSOs and TSOs coordinate to procure grid services in the most reliable and efficient way through the implementation of three large scale "TSO-DSO-Consumer" demonstrations, in cooperation with market participants (and end users). (01/01/2019 – 30/06/2022) Total Budget 14.9 M€-NTUA budget 1M€
- **X-Flex:** Development of functions for Smart Distribution Networks, Horizon Programme, 11/10/2019-30/9/2023-NTUA Budget 843k€
- **TRINITY**: Cross-border Coordination of TSOs, Horizon Programme, (11/10/2019-30/9/2023) – NTUA budget 388k€
- **SYNERGY**: Big Data applications for energy market stakeholders, transmission and distribution system operators, traders, aggregators, etc. Horizon Programme, (11/9/2020-30/9/2021) NTUA budget 731k€
- **COMPILE**: Development of Local Energy Communities, Horizon Programme, (1/11/2018-31/10/2022) NTUA budget 437k€
- **Smart4RES**: Development of Advanced Forecasting of RES production, Horizon Programme, (11/11/2019-30/4/2023) NTUA Budget 304k€
- **DRES2Market**: Development of Business Models for PVs at Distribution Networks, Horizon Programme, (11/8/2020-31/1/2023) NTUA budget 140k€
- **SPRING**: Support Action for ETIP SNET (1/9/2020-30/9/2021) NTUA Budget 285k€.
- **Re-Empowered**: Development of Microgrids in EC islands and India, EU-India Collaboration Horizon Programme, (11/7/2021-31/12/2024) NTUA budget 781k€.
- **R2D2**: Reliability, Resilience and Defense technology for the grid, HORIZON-CL5-2021-D3-02-07, (1/10/2022-30/9/20250 NTUA budget 662k€

ΕΠΙΛΕΓΜΕΝΕΣ ΔΗΜΟΣΙΕΥΣΕΙΣ ΣΕ ΠΕΡΙΟΔΙΚΑ (ΤΕΛΕΥΤΑΙΑ 8 ΧΡΟΝΙΑ)

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