

Δήμος Α. Τριάντης

Καθηγητής

Αναπληρωτής Προέδρου του Τεχνολογικού Εκπαιδευτικού Ιδρύματος (ΤΕΙ) Αθήνας

Πρόεδρος της Επιτροπής Εκπαίδευσης και Ερευνών του ΤΕΙ Αθήνας

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Σύντομο Βιογραφικό Σημείωμα:

Ο Δ. Τριάντης πραγματοποίησε προπτυχιακές και μεταπτυχιακές σπουδές στο Εθνικό και Καποδιστριακό Πανεπιστήμιο Αθηνών: Πτυχιούχος Φυσικός (1975), κάτοχος μεταπτυχιακού διπλώματος στον Ηλεκτρονικό Αυτοματισμό (1980) και διδάκτορας του Πανεπιστημίου Αθηνών (1983) στον τομέα της Φυσικής της Στερεάς Κατάστασης.

Το έτος 1989 εκλέχτηκε καθηγητής στο Τμήμα Ηλεκτρονικής του Τεχνολογικού Εκπαιδευτικού Ιδρύματος Αθήνας, στο γνωστικό πεδίο της Φυσικής των Ημιαγωγών και Διηλεκτρικών. Από το 2007 φέρει τον τίτλο του Honorary Professor Associate στην Σχολή Engineering and Design του Πανεπιστημίου Brunel (UK).

Κατά την διάρκεια της ακαδημαϊκής απασχόλησής του στο ΤΕΙ Αθήνας, έχει διατελέσει: Προϊστάμενος του Τμήματος Ηλεκτρονικής από 1992 έως 1997 και επί σειρά ετών υπεύθυνος του Τομέα Ηλεκτρονικών. Μέλος του Συμβουλίου της Επιτροπής Εκπαίδευσης και Ερευνών του ΤΕΙ Αθήνας (από το 2004 έως το 2010). Διευθυντής της Σχολής Τεχνολογικών Εφαρμογών του ΤΕΙ Αθήνας (από το 2010 έως το 2013). Μέλος της Μονάδας Διασφάλισης Ποιότητας (ΜΟ.ΔΙ.Π) του ΤΕΙ Αθήνας (από το 2008 έως το 2013). Διευθυντής του Προγράμματος Μεταπτυχιακών Σπουδών του Τμήματος Ηλεκτρονικής με τίτλο: "[Σχεδίαση και Ανάπτυξη Προηγμένων Συστημάτων Ηλεκτρονικής](#)" (από το 2012 μέχρι σήμερα).

Ερευνητικά, ως Διευθυντής του [Εργαστηρίου Ηλεκτρικού Χαρακτηρισμού Υλικών και Ηλεκτρονικών Διατάξεων](#), του Τμήματος Ηλεκτρονικής του ΤΕΙ Αθήνας, δραστηριοποιείται στους τομείς της μελέτης των ηλεκτρικών ιδιοτήτων και συμπεριφορών υλικών και ηλεκτρονικών διατάξεων και σε τεχνικές ανίχνευσης ασθενών ηλεκτρικών σημάτων και ακουστικών εκπομπών, ως επακόλουθο της μηχανικής καταπόνησης υλικών. Μελέτες που αφορούν την εισαγωγή νέων τεχνολογιών και μεθοδολογιών στην εκπαίδευση και την αξιολόγηση αυτής, αποτελεί ένα ακόμη ερευνητικό πεδίο.

Έχει συμμετάσχει και συμμετέχει σε δεκάδες ερευνητικά, αναπτυξιακά, εκπαιδευτικά- εθνικά και ευρωπαϊκά- προγράμματα. Το δημοσιευμένο ερευνητικό του έργο σε διεθνή περιοδικά και σε τόμους πρακτικών διεθνών συνεδρίων ξεπερνά τις 200 επιστημονικές δημοσιεύσεις.

Αναλυτικό Βιογραφικό σημείωμα

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Σπουδές

- 1983 Διδακτορική Διατριβή στη Φυσική της Στερεάς Κατάστασης.
Τμήμα Φυσικής, Πανεπιστήμιο Αθηνών.
Τίτλος διατριβής: “*Ιοντικά θερμορεύματα σε θερμοκρασίες κατώτερες της θερμοκρασίας Debye*”
- 1980 Μεταπτυχιακό δίπλωμα εξειδίκευσης στον Ηλεκτρονικό Αυτοματισμό.
Φυσικομαθηματική Σχολή, Πανεπιστήμιο Αθηνών.
- 1975 Πτυχίο Φυσικού ,
Τμήμα Φυσικής, Πανεπιστήμιο Αθηνών.

Ακαδημαϊκή Απασχόληση

- | | |
|---------------|--|
| 1989 - σήμερα | Καθηγητής της Φυσικής Ημιαγωγών και Διηλεκτρικών, Τμήμα Ηλεκτρονικής Τεχνολογικό Εκπαιδευτικό Ίδρυμα Αθήνας. |
| 1987-1989 | Καθηγητής Εφαρμογών
Τμήμα Φυσικής, Τεχνολογικό Εκπαιδευτικό Ίδρυμα Αθήνας. |
| 1983-1987 | Έκτακτος καθηγητής,
Τμήμα Ηλεκτρονικής, Τεχνολογικό Εκπαιδευτικό Ίδρυμα Αθήνας. |
| 1976-1984 | Επιστημονικός συνεργάτης
Τμήμα Φυσικής, Πανεπιστήμιο Αθηνών. |

Τιμητικός τίτλος

2007: Honorary Professor Associate, School of Engineering and Design, Brunel University (UK).

Διδακτική εμπειρία

Προπτυχιακά Προγράμματα Σπουδών

- 2011-σήμερα *Φυσική ημιαγωγών και διατάξεων*, Τμήμα Ηλεκτρονικής, ΤΕΙ Αθήνας.
- 1989-2010 *Ηλεκτρονική Φυσική*, Τμήμα Ηλεκτρονικής, ΤΕΙ Αθήνας.
- 2008-2010 *Νανοηλεκτρονική*, Τμήμα Ηλεκτρονικής, ΤΕΙ Αθήνας.
- 2002-2008 *Διαχείριση Έργων*, Τμήμα Ηλεκτρονικής, ΤΕΙ Αθήνας.
- 1998-2001 *Ηλεκτρομαγνητική Συμβατότητα*, Τμήμα Ηλεκτρονικής, ΤΕΙ Αθήνας.
- 1996-2008 *Σύνταξη Τεχνικών Εκθέσεων – Νόμοι και Ρυθμίσεις*, Τμήμα Ηλεκτρονικής, ΤΕΙ Αθήνας.
- 1981-1989 *Ηλεκτρονικά Κυκλώματα*, Τμήμα Ηλεκτρονικής, ΤΕΙ Αθήνας.
- 1985-1988 *Ψηφιακά Ηλεκτρονικά*, Τμήμα Πληροφορικής, ΤΕΙ Αθήνας.
- 1983-1989 *Τηλεπικοινωνιακά Συστήματα*, Τμήμα Ηλεκτρονικής, ΤΕΙ Αθήνας.

Μεταπτυχιακά Προγράμματα Σπουδών

- 2012-σήμερα *Ειδικά Θέματα Σύγχρονης Φυσικής*. Πρόγραμμα Μεταπτυχιακών Σπουδών με τίτλο: "Σχεδίαση και Ανάπτυξη Προηγμένων Συστημάτων Ηλεκτρονικής". Τμήμα Ηλεκτρονικής, ΤΕΙ Αθήνας.
- 2012-σήμερα *Νανοηλεκτρονική και εφαρμογές*. Πρόγραμμα Μεταπτυχιακών Σπουδών με τίτλο: "Σχεδίαση και Ανάπτυξη Προηγμένων Συστημάτων Ηλεκτρονικής". Τμήμα Ηλεκτρονικής, ΤΕΙ Αθήνας.
- 2005-2012 *Υπεραγωγιμότητα και υπεραγωγίμα υλικά*. Πρόγραμμα Μεταπτυχιακών Σπουδών με τίτλο: "Χημεία και Τεχνολογία Υλικών". Πανεπιστήμιο Ιωαννίνων.
- 1997 -2009 *Επίβλεψη διπλωματικών εργασιών*. Πρόγραμμα Μεταπτυχιακών Σπουδών σύμπραξης Πανεπιστήμιο Brunel - ΤΕΙ Αθήνας, με τίτλο: "Data Communication Systems".

Επίβλεψη διατριβών

- Ph.D.** C. Anastasiadis (2000), Brunel University, UK.
Thermally stimulated current measurements in porous silicon.
co-advised with Dr J. Beynon.
- I. Stavrakas (2005), Brunel University, UK.
A contribution to the study of stress induced currents: Laboratory results and field observations
co-advised with Dr M. Clarke
- Ch. Stergiopoulos (current), Brunel University, UK.
Non-destructive evaluation of cement based materials by studying weak

electric signals generated by knocking mechanic load.
co-advised with Prof. J. Stonham.

- MSc** A .Tsirogiannis, (2005), Brunel University, UK.
Design and Implementation of Network Applications for Accessing Medical Databases.
- K. Papadopoulos, (2005), Brunel University, UK.
Designing the security and expandability of a physical-access control system.
- I . Daradimos, (2005), Brunel University, UK.
Designing the user and administrator interfaces of a physical-access control system.
- M. Kaitsa, (2005), Brunel University, UK.
Load Balancing of incoming IP network requests across a farm of servers.
- A . Pantazis, (2006), Brunel University, UK.
Study & Analysis of the Energy-Efficient S-MAC Protocol in Ad-Hoc Wireless Sensor Networks.
- N. Mitritsakis (2006), Technical University of Crete, Greece.
Investigation and quantification of damage in geomaterials with the technique of Dielectric Spectroscopy
co-advised with Prof. Z. Agioutantis.
- I . Marinos, (2007), Brunel University, UK.
Development of a virtual electronics lab Environment.
- A .Adamopoulou, (2007), Brunel University, UK.
E-learning: a secured environment for having examinations.
- N. Stasinou, (2008), Brunel University, UK.
Software Development for the computerized control of Thermally Stimulated Discharge Current (TSDC) experimental technique.

Ακαδημαϊκές Δραστηριότητες

Διοικητικές – Ακαδημαϊκές Θέσεις

- 2013 - σήμερα Αναπληρωτής Πρόεδρος του Τεχνολογικού Εκπαιδευτικού Ιδρύματος (ΤΕΙ) Αθήνας.
Πρόεδρος της Επιτροπής Εκπαίδευσης και Ερευνών του ΤΕΙ Αθήνας
- 2010 - 2013 Διευθυντής στη Σχολή Τεχνολογικών Εφαρμογών του Τεχνολογικού Εκπαιδευτικού Ιδρύματος (ΤΕΙ) Αθήνας.
- 2012 - σήμερα Διευθυντής του Προγράμματος Μεταπτυχιακών Σπουδών του Τμήματος Ηλεκτρονικής με τίτλο: “Σχεδίαση και Ανάπτυξη Προηγμένων Συστημάτων Ηλεκτρονικής”.
- 2002- σήμερα Διευθυντής του Εργαστηρίου Ηλεκτρικού Χαρακτηρισμού Υλικών και Ηλεκτρονικών Διατάξεων, Τμήμα Ηλεκτρονικής Τεχνολογικό

2009 - σήμερα	Εκπαιδευτικό Ίδρυμα Αθήνας. Ιδρυματικός υπεύθυνος (ΤΕΙ Αθήνας) της Πράξης Αρχιμήδης ΙΙΙ, «Ενίσχυση Ερευνητικών Ομάδων στα ΤΕΙ, στο πλαίσιο του προγράμματος ΕΠΕΔΒΜ/ΕΣΠΑ.
1992 - 1997	Προϊστάμενος του Τμήματος Ηλεκτρονικής της Σχολής Τεχνολογικών Εφαρμογών του Τεχνολογικού Εκπαιδευτικού Ιδρύματος Αθήνας.
2002 - 2010	Υπεύθυνος του Τομέα Ηλεκτρονικών Τμήμα Ηλεκτρονικής Τεχνολογικό Εκπαιδευτικό Ίδρυμα Αθήνας.
1997 - 2010	Συντονιστής του Προγράμματος Μεταπτυχιακών Σπουδών σύμπραξης Πανεπιστήμιο Brunel - ΤΕΙ Αθήνας, με τίτλο: "Data Communication Systems".
2003 - 2008	Ιδρυματικός υπεύθυνος (ΤΕΙ Αθήνας) για το έργο «Αναμόρφωση Προπτυχιακών Προγραμμάτων Σπουδών» (ΕΠΕΑΕΚ ΙΙ).
1998 - 2000	Ιδρυματικός υπεύθυνος (ΤΕΙ Αθήνας) για το έργο Πρόγραμμα Συμπληρωματικής Εκπαίδευσης, στο πλαίσιο του ΕΠΕΑΕΚ Ι με τίτλο: "Ολοκληρωμένος Σχεδιασμός και Έλεγχος Τηλεπικοινωνιακού Προϊόντος".
1995–1996	Επίβλεψη και παρακολούθηση του έργου <i>Εγκατάσταση και λειτουργία του Τηλεπικοινωνιακού Δικτύου</i> , στο Τεχνολογικό Εκπαιδευτικό Ίδρυμα Αθήνας.

Συμμετοχή σε Ακαδημαϊκά Συμβούλια

2010 - 2013	Μέλος του Συμβουλίου του ΤΕΙ Αθήνας.
2008 - 2013	Μέλος της Μονάδας Διασφάλισης Ποιότητας (ΜΟ.ΔΙ.Π) του ΤΕΙ Αθήνας.
2004 - 2010	Μέλος του Συμβουλίου της Επιτροπής Εκπαίδευσης και Ερευνών του ΤΕΙ Αθήνας.
1989 - 1992 2006 - 2010	Μέλος του Συμβουλίου του Τμήματος Ηλεκτρονικής του ΤΕΙ Αθήνας.
2006 - 2010	Μέλος της Ομάδας Εσωτερικής Αξιολόγησης του Τμήματος Ηλεκτρονικής του ΤΕΙ Αθήνας.
1998 - 2007	Μέλος της Επιτροπής Παρακολούθησης (ΤΕΙ Αθήνας) των χρηματοδοτούμενων Ευρωπαϊκών Προγραμμάτων (ΕΠΕΑΕΚ Ι & ΙΙ).
1997 - 2009	Επιστημονικός σύμβουλος του ΙΚΥ για μεταπτυχιακούς υποτρόφους εξωτερικού στα γνωστικά αντικείμενα: Ηλεκτρονική – Τηλεπικοινωνίες.
1998–2006	Μέλος της Επιστημονικής Επιτροπής του έργου: <i>Δίκτυα & Προηγμένες Τηλεματικές Εφαρμογές</i> , του Τεχνολογικού Εκπαιδευτικού Ιδρύματος Αθήνας.

Συντακτικές επιτροπές διεθνών περιοδικών

Associate Editor: WSEAS Transactions on Advances in Engineering Education.

Editorial Board: Open Journal of Applied Sciences (Scientific Research Publishing)

Chair and Proceedings Editor: 2thWSEAS/IASME International Conference on Engineering Education (EE'05), Athens 2005.

Proceedings Editor: 2nd IASME/WSEAS International Conference on Geology and Seismology (GES 08), University of Cambridge, 2008.

Κριτής επιστημονικών περιοδικών

(ενδεικτικά για τα τρία τελευταία έτη)

- Materials Science & Engineering B
- Journal of Materials Science
- Materials Chemistry and Physics
- Computers & Education
- Journal of Hazardous Materials
- Europhysics Letters (EPL)
- Journal of Physics and Chemistry of Solids,
- Physica A
- Journal of Non-Crystalline Solids
- Natural Hazards and Earth System Sciences
- Construction & Building Materials
- Thin Solid Films

Μέλος επιστημονικών επιτροπών διεθνών συνεδρίων

(ενδεικτικά από 2006 - σήμερα)

2014	2nd International Conference on COMPUTER SUPPORTED EDUCATION (COSUE '14), Cambridge, MA, USA, January 29-31, 2014
2013	2nd Conference on Bio-Medical Instrumentation and related Engineering and Physical Sciences BIOMEPE 2013 (Local Organizing Committee)
	EUROSENSORS XXV, Athens, Greece (Local Program Committee).
2011	4th International Conference on MANUFACTURING ENGINEERING, QUALITY and PRODUCTION SYSTEMS -MEQAPS '11, (Scientific Committee).
2009	International Conference on Computer Supported Education (CSEDU 2009), Lisboa, Portugal, (Scientific Committee).
2012 2011 2010	WSEAS International Conference on NANOTECHNOLOGY, Cambridge, UK, (Scientific Committee).

2009	
2010	10th WSEAS International Conference on SIGNAL PROCESSING, COMPUTATIONAL GEOMETRY AND ARTIFICIAL VISION (ISCGAV '10)
2008	International Conference on Electronic Materials 2008 (IUMRS-ICEM 2008), Sydney, Australia, (Scientific Committee, Invited presentation). International Workshop on Geoenvironment & Geotechnics (GEOENV 2008), Milos Island, Greece, (Scientific Committee).
2007	4 th International Conference on NDT of HSNT, Chania, Greece, (Scientific Committee).
2006	IEEE-ICELIE 2006 (First International Conference on E-Learning in Industrial Electronics), Hammamet, Tunisia, (Scientific Committee).

Μέλος διεθνών επιστημονικών ενώσεων

European Materials Research Society (E-MRS)

International Dielectric Society (IDS)

European Federation for Non-Destructive Testing (EFNDT)

European Geosciences Union

Hellenic Society for Science and Technology of Condensed Matter

Hellenic Society for NDT (HSNT)

Χρηματοδοτούμενα Ερευνητικά Έργα

Συντονισμός – Υπεύθυνος έργου – Υπεύθυνος ερευνητικής ομάδας

2012 – 2015	Ερευνητικό έργο που συγχρηματοδοτείται από την Ευρωπαϊκή Ένωση (Ευρωπαϊκό Κοινωνικό Ταμείο) και εθνικούς πόρους, στο πλαίσιο της πράξης: <i>Ενίσχυση Ερευνητικών Ομάδων στα ΤΕΙ (ΑΡΧΙΜΗΔΗΣ ΙΙΙ)</i> , του Επιχειρησιακού Προγράμματος «Εκπαίδευση και Διά Βίου Μάθηση». Τίτλος έργου: <i>“Μη καταστρεπτική αξιολόγηση υλικών βασισμένων σε τσιμέντο μελετώντας ασθενή ηλεκτρικά σήματα διεγερόμενα από μηχανική κρουστική φόρτιση”</i> . Επιστημονικός υπεύθυνος έργου: Δ. Τριάντης	100.000 €
2012 – 2015	Ερευνητικό έργο που συγχρηματοδοτείται από την Ευρωπαϊκή Ένωση (Ευρωπαϊκό Κοινωνικό Ταμείο) και εθνικούς πόρους, στο πλαίσιο της πράξης: <i>Ενίσχυση της Διεπιστημονικής - Διδρυματικής έρευνας και καινοτομίας (ΘΑΛΗΣ)</i> , του Επιχειρησιακού Προγράμματος «Εκπαίδευση και Διά Βίου Μάθηση». Τίτλος έργου: <i>“Ανάπτυξη και Χαρακτηρισμός Καινοτόμων Πολυ-Λειτουργικών Νανοσύνθετων Υλικών Πολυμερικής Μήτρας”</i> . Συντονισμός ερευνητικού έργου: Α. Κανατίσας, ΤΕΙ Λαμίας.	518.000 €

	Επιστημονικός υπεύθυνος της ερευνητικής ομάδας του ΤΕΙ Αθήνας: Δ. Τριάντης. Προϋπολογισμός ερευνητικής ομάδας ΤΕΙ Αθήνας: 90.000 €	
2012 – 2015	Ερευνητικό έργο που συγχρηματοδοτείται από την Ευρωπαϊκή Ένωση (Ευρωπαϊκό Κοινωνικό Ταμείο) και εθνικούς πόρους, στο πλαίσιο της πράξης: <i>Ενίσχυση της Διεπιστημονικής - Διδρυματικής έρευνας και καινοτομίας (ΘΑΛΗΣ)</i> , του Επιχειρησιακού Προγράμματος «Εκπαίδευση και Διά Βίου Μάθηση». Τίτλος έργου: <i>«Integrated understanding of seismicity, using innovative methodologies of fracture mechanics along with earthquake and non extensive statistical physics – application to the geodynamic system of the Hellenic arc»</i> . Συντονισμός ερευνητικού έργου: Φ. Βαλλιανάτος, ΤΕΙ Κρήτης. Επιστημονικός υπεύθυνος της ερευνητικής ομάδας του ΤΕΙ Αθήνας: Δ. Τριάντης. Προϋπολογισμός ερευνητικής ομάδας ΤΕΙ Αθήνας: 85.000 €	518.000 €
2012 – 2015	Ερευνητικό έργο που συγχρηματοδοτείται από την Ευρωπαϊκή Ένωση (Ευρωπαϊκό Κοινωνικό Ταμείο) και εθνικούς πόρους, στο πλαίσιο της πράξης: <i>Ενίσχυση της Διεπιστημονικής - Διδρυματικής έρευνας και καινοτομίας (ΘΑΛΗΣ)</i> , του Επιχειρησιακού Προγράμματος «Εκπαίδευση και Διά Βίου Μάθηση». Τίτλος έργου: <i>Ανάπτυξη και αξιολόγηση καινοτόμων πειραματικών τεχνικών για τη μελέτη της μηχανικής συμπεριφοράς φυσικών δομικών λίθων με εφαρμογές στη συντήρηση μνημείων της Πολιτιστικής Κληρονομιάς</i> . Συντονισμός ερευνητικού έργου: Σ. Κουρκουλής, ΕΜΠ. Επιστημονικός υπεύθυνος της ερευνητικής ομάδας του ΤΕΙ Αθήνας: Δ. Τριάντης. Προϋπολογισμός ερευνητικής ομάδας ΤΕΙ Αθήνας: 145.000 €	518.000 €
2006–2008	INTERREG IIIB ARCHIMED: <i>“Methodology Integration of EO Techniques as Operative Tool for Land Degradation Management and Planning in Mediterranean Areas (MILD MAP MEDIA)”</i> . 8 partners from 2 countries, Partner coordinator ΤΕΙ Α: Δ. Triantis.	154.500 €
2005–2007	ΑΡΧΙΜΗΔΗΣ ΙΙ - « <i>Ενίσχυση ερευνητικών ομάδων του ΤΕΙ Αθήνας</i> », Τίτλος: <i>«Η ηλεκτρική συμπεριφορά γεωολικών κάτω από συνθήκες μηχανικής καταπόνησης με αξονική πίεση»</i> . Επιστημονικός υπεύθυνος έργου: Δ. Τριάντης	60.000 €
2003–2008	European funded Project: <i>“Teaching Support Centre of the Technological Educational Institute of Athens”</i> . Coordinator: Δ. Triantis.	326.800 €
2003–2008	European funded Project: <i>“Upgrading of Undergraduate Curricula Technological Educational Institute of Athens”</i> . Coordinator: Δ. Triantis.	2.280.700 €
1999–2001	European funded Project: <i>“Complementary Education - Design and Testing of Telecommunication Product Implementation”</i> . Coordinator: Δ. Triantis.	266.000 €

Συμμετοχές

2009–2011	Πρόγραμμα Ενίσχυσης Ελληνικών Τεχνολογικών Συνεργατικών Σχηματισμών στη Μικροηλεκτρονική (Corallia): <i>Next Generation Millimeter Wave Backhaul Radio – NexGenMiliwave</i> .	4.100.000 €
2008–2010	Ευρωπαϊκό πρόγραμμα (FP7 ICT). Τίτλος: « <i>RElay based Wireless Network and standarD (REWIND)</i> », με συμμετοχές έξι (6) επιχειρήσεων υψηλής τεχνολογίας από τρεις (3) διαφορετικές χώρες.	5.500.000 €
2006-2008	INTERREG IIIB ARCHIMED: “Advanced techniques for SEismic RISK reduction in Mediterranean Archipelago Regions”.	256.500 €

Publications

Total citations:

- [Refereed Publications in Journals: 67](#) 436 (www.scopus.com)
- [Papers in Conference Proceedings: 64](#) 668 (<http://scholar.google.com>) [link](#)
- [Abstracts in Conferences: 72](#)
- [Chapter in Books: 1](#)
- [Books](#)
- [Lecture Notes](#)
- [Study Tool \(CD- Rom\)](#)
- [Reviews and Reports](#)

Refereed Publications in Journals: 67

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- 2) Ilias Stavrakas, **Dimos Triantis**, George Hloupis, Konstantinos Moutzouris, *Electrical characterization of polymer matrix – TiO₂ filler composites through isothermal polarization /depolarization currents and I-V tests*, **Central European Journal of Physics**, **12**, pp 286-291 (2014) [link](#)
- 3) Alex Alexandridis, Eva Chondrodima, Evangelos Efthimiou, Giorgos Papadakis, Filippos Vallianatos, and **Dimos Triantis**, *Large Earthquake Occurrence Estimation Based on Radial Basis Function Neural Networks*, **IEEE Transactions on Geoscience and Remote Sensing**, Vol.52, 5443 – 5453 (2014) [link](#)
- 4) Konstantinos Moutzouris, Myrtia Papamichael, Sokratis C. Betsis, Ilias Stavrakas, George Hloupis and **Dimos Triantis**, *Refractive, dispersive and thermo-optic properties of twelve organic solvents in the visible and near-infrared*. **Applied Physics B: Lasers and Optics**, **116**, pp. 617-622 (2014) [link](#)

- 5) Filippou Vallianatos and **Dimos Triantis**, *A non extensive view of the pressure stimulated current relaxation during repeated abrupt uniaxial load-unload in rock samples*, **Europhysics Letters (EPL) 104 (2013) 68002** [link](#)
- 6) Kourkoulis, S. K., Pasiou E. D., Stavrakas I., Hloupis G., Triantis D. *The mechanical response of marble epistyles studied with the aid of innovative experimental techniques*, **Anyagvizsgálók Lapja (Mechanical Testing - 2013/3-4), pp.85-92** [link](#)
- 7) Eleni Stoumbou, Ilias Stavrakas, George Hloupis, Alex Alexandridis, **Dimos Triantis**, Konstantinos Moutzouris, *A comparative study on the use of the extended-Cauchy dispersion equation for fitting refractive index data in crystals*, **Optical and Quantum Electronics, Volume 45, pp 837-859 (2013)**. [link](#)
- 8) C. Stergiopoulos, I. Stavrakas, G. Hloupis, **D. Triantis**, F. Vallianatos, *Electrical and acoustic emissions in cement mortar beams subjected to mechanical loading up to fracture*, **Engineering Failure Analysis, Volume 35, pp 454–461 (2013)**. [link](#)
- 9) Charalampos Stergiopoulos, Ilias Stavrakas, George Hloupis, Antonios Kyriazopoulos, **Dimos Triantis**, Cimon Anastasiadis, John Stonham, *Nondestructive Testing Electrical Methods for Sensing Damages in Cement Mortar Beams*, **Open Journal of Applied Sciences, 3, pp 50-55 (2013)**. [link](#)
- 10) V. Saltas, V. Chatzistamou, D. Pentari, E. Paris, **D. Triantis**, I. Fitis, F. Vallianatos, *Complex electrical conductivity measurements of a KTB amphibolite sample at elevated temperatures*, **Materials Chemistry and Physics, 139, pp 169-175 (2013)**. [link](#)
- 11) F. Vallianatos, **D. Triantis**, *Is pressure stimulated current relaxation in amphibolite a case of non-extensivity?* **Europhysics Letters (EPL), 99 (2012) 18006**. [link](#)
- 12) **D. Triantis**, I. Stavrakas, A. Kyriazopoulos, G. Hloupis, Z. Agioutantis *Pressure Stimulated Electrical Emissions from cement mortar used as failure predictors*, **International Journal of Fracture, 175, 53-61 (2012)**. [link](#)
- 13) **D. Triantis**, F. Vallianatos, I. Stavrakas, G. Hloupis, *Relaxation phenomena of electric signal emissions from rocks following to abrupt mechanical stress application*, **Annals of Geophysics, 55, 207-212 (2012)**. [link](#)
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- 16) A. Alexandridis, E. Chondrodima, K. Moutzouris, **D. Triantis**, *A neural network approach for the prediction of the refractive index based on experimental data*, **J. Mater. Sci., 47, pp 883-891 (2012)**. [link](#)
- 17) C. Tsonos, I. Stavrakas, C. Anastasiadis, A. Kyriazopoulos, A. Kanapitsas and **D. Triantis**, *Isothermal depolarization currents measurements of cement mortar during the hardening process. Commentaries on previous work*, **Journal of Physics and Chemistry of Solids, 72, pp 1554-1556 (2011)**. [link](#)
- 18) F. Vallianatos, **D. Triantis**, P. Sammonds, *Non-extensivity of the Isothermal Depolarization relaxation Currents in uniaxial compressed rock*, **Europhysics** [link](#)

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- 20) K. Moutzouris, I. Stavrakas, **D. Triantis**, M. Enculescu, *Temperature-dependent refractive index of potassium acid phthalate (KAP) in the visible and near-infrared*, **Optical Materials, 33, pp 812-816 (2011).** [link](#)
- 21) C. Tsonos, A. Kanapitsas, **D. Triantis**, C. Anastasiadis, I. Stavrakas, P. Pissis, E. Neagu, *Interface States and NWS Polarization Contributions to the Dielectric Response of Low Voltage ZnO Varistor*, **Ceramics International, 37, pp 207-214 (2011).** [link](#)
- 22) E. Ventouras, **D. Triantis**, P. Tsiakas, Ch. Stergiopoulos, *Comparison of oral examination and electronic examination using paired multiple-choice questions*, **Computers & Education, 56, pp 616-624 (2011).** [link](#)
- 23) A. Kyriazopoulos, C. Anastasiadis, **D. Triantis**, J. C. Brown, *Non-destructive evaluation of cement-based materials from pressure-stimulated electrical emission - Preliminary results*, **Construction and Building Materials, 25, pp 1980–1990 (2011).** [link](#)
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- 25) A. Kyriazopoulos, I. Stavrakas, K. Ninos, C. Anastasiadis, **D. Triantis**, *Pressure Stimulated Current emissions on cement paste samples under repetitive stepwise compressional loadings, S. V. - Journal of Mechanical Engineering, 56, pp 551-556 (2010).* [link](#)
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- 2) S.K. Kourkoulis, E.D. Pasiou, I. Stavrakas, G. Hloupis, **D. Triantis**, K. Moutzouris, *An experimental study of the mechanical response of a typical epistyles' connection under pure shear, Proc. 39th Solid Mechanics Conference, Poland, Sept. 1-5, 2014, pp. 125-126.*
- 3) Anastasios Tsolakidis, Cleo Sgouropoulou, Evangelia Triperina, Panos Kakoulidis and **Dimos Triantis**, *Building VIVO-based research management infrastructure for Higher Education: the IREMA case, Proc. 5th VIVO Conference, August 6-8, Austin, TX, 2014, paper number 11, pages 9.*
- 4) **Dimos Triantis**, Errikos Ventouras, Ioanna Leraki, Charalampos Stergiopoulos, Ilias Stavrakas and George Hloupis, *Comparing Electronic Examination Methods for Assessing Engineering Students - The Case of Multiple-Choice Questions and Constructed Response Questions, Proc. CSEDU 2014 - 6th International Conference on Computer Supported Education, Vol. 1, pp. 126-132.*

- 5) George Hloupis, Vassilis Bimpikas, Ilias Stavrakas, Konstantinos Moutzouris, Charalampos Stergiopoulos and **Dimos Triantis**, *Developing Open Source Dataloggers for Inquiry Learning*, **Proc. CSEDU 2014 - 6th International Conference on Computer Supported Education, Vol. 1, pp. 555-562**
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- 7) C. Stergiopoulos, I. Stavrakas, G. Hloupis, A. Kyriazopoulos, **D. Triantis**, Acoustic Emission and Electrical Signal Recordings during Three Point Bending Tests on Cement Mortar Samples., **Proceedings of the 5th International Conference on NDT of HSNT, (IC-MINDT-2013), 20-22 May 2013, Athens, Greece.**
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- 11) **D. Triantis**, I. Leraki, [Investigation and Management of Diverse Classrooms of Higher Education Due to Discrepancies in Background Knowledge](#), **Proceedings of the 4th International Conference on Computer Supported Education (CSEDU 2012), pp. 161-165.**
- 12) G. Hloupis, I. Stavrakas, K. Moutzouris, **D. Triantis**, [Low Cost Experimental Devices for Educational Seismic Networks](#), **Proceedings of the 4th International Conference on Computer Supported Education (CSEDU 2012), pp. 356-359.**
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- 14) **D. Triantis**, C. Anastasiadis, I. Stavrakas, A. Kyriazopoulos, Z. Agioutantis, *The emergence of electrical signal produced during and after failure of rock samples*, **Proceedings of the First Greek-Ukrainian, First Greek National Conference on Fracture Mechanics of Materials and Structures, Xanthi, Greece, October 20-23, 2010 (pp. 47-48).**
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