

ΙΩΑΝΝΗΣ Σ. ΚΑΝΔΑΡΑΚΗΣ

ΚΑΘΗΓΗΤΗΣ ΤΕΙ ΑΘΗΝΑΣ

ΤΜΗΜΑ ΤΕΧΝΟΛΟΓΙΑΣ ΙΑΤΡΙΚΩΝ ΟΡΓΑΝΩΝ / ΣΤΕΦ

ΒΙΟΓΡΑΦΙΚΟ ΣΗΜΕΙΩΜΑ

- *ΕΡΕΥΝΗΤΙΚΗ ΔΡΑΣΤΗΡΙΟΤΗΤΑ*
- *ΣΥΓΓΡΑΦΙΚΗ ΔΡΑΣΤΗΡΙΟΤΗΤΑ*
- *ΕΚΠΑΙΔΕΥΤΙΚΗ ΔΡΑΣΤΗΡΙΟΤΗΤΑ*
- *ΕΠΑΓΓΕΛΜΑΤΙΚΗ ΔΡΑΣΤΗΡΙΟΤΗΤΑ*

ΑΘΗΝΑ 2010

A. ΠΡΟΣΩΠΙΚΕΣ ΠΛΗΡΟΦΟΡΙΕΣ

Όνομ/νυμο: ΚΑΝΔΑΡΑΚΗΣ ΙΩΑΝΝΗΣ του Στυλιανού.

Ετος γεννήσεως: 1953.

Διεύθυνση κατοικίας: Φαρανάτων 54, Αθήνα, 115 27

Διεύθυνση εργασίας: Αγίου Σπυριδώνος, Αθήνα, 122 10

Τηλέφωνα: 210-5385387 (γραφ), 210-7773541 // 210-7759057 (οικ), 6972845898 (κινητό)

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Οικογενειακή κατάσταση: Εγγαμος με ένα παιδί

Τίτλοι σπουδών: Πτυχίο Φυσικής, Μεταπτυχιακό & Διδακτορικό Ιατρικής Ακτινοφυσικής
Επαγγελματική άδεια: Ιατρικής Φυσικής

Επαγγελματική θέση: ΤΕΙ Αθήνας-Τακτικός Καθηγητής / Προϊστάμενος Τμήματος
Τμήμα Τεχνολογίας Ιατρικών Οργάνων /
Εργαστήριο Ιοντιζουσών & Μη Ιοντιζουσών Ακτινοβολιών & Συστημάτων
Απεικόνισης

Μέλος επιστημονικών ενώσεων :

- 1.Ενωση Ελλήνων Φυσικών (ΕΕΦ),
2. European Assoc. Radiology (EAR) & Congress (ECR),
3. International Radiation Physics Society (IRPS)
4. European Soc. Engineering & Medicine (ESEM),
5. Εν. Φυσικών Ιατρικής Ελλ. (ΕΦΙΕ),
6. Ελλην. Εταιρ. Βιοϊατρικής Τεχνολογίας. (ΕΛΕΒΙΤ)
7. American Assoc. of Physicists in Medicine (AAPM)

B. ΣΠΟΥΔΕΣ

1.Βασικός τίτλος: Πτυχίο Φυσικής - Πανεπιστήμιο Πατρών, 1977

2.Μεταπτυχιακός τίτλος- DEA: Physique Radiologique Medicale (Ιατρική Ακτινολογική Φυσική),
Πανεπιστήμιο "Toulouse III-Paul Sabatier", Τουλούζης, Γαλλία, 1978.

3.Διδακτορικό Δίπλωμα- Doctorat: Physique Radiologique Medicale (Ιατρική Ακτινολογική Φυσική),
Πανεπιστήμιο "Toulouse III-Paul Sabatier", Τουλούζης, Γαλλία, 1981.

Γ. ΣΥΓΓΡΑΦΙΚΗ ΔΡΑΣΤΗΡΙΟΤΗΤΑ

A. Βιβλία:

1. Κανδαράκης Ι. Ιατρική Φυσική-Βιοϊατρική Τεχνολογία: Πυρηνική Ιατρική. Πανεπιστημιακές Εκδόσεις "Αράκυνθος", έκδοση 2008, σελίδες 437, ISBN: 978-960-91034-8-0.
2. Κανδαράκης Ι. Ιατρική Φυσική-Βιοϊατρική Τεχνολογία: Ακτινοδιαγνωστική. Πανεπιστημιακές Εκδόσεις "Αράκυνθος", έκδοση 2008, σελίδες 352, ISBN: 978-960-89768-1-8.

3. Καρατόπης Α.- Κανδαράκης Ι. Ιατρική Φυσική-Βιοϊατρική Τεχνολογία: Απεικόνιση Μαγνητικού Συντονισμού. Πανεπιστημιακές Εκδόσεις "Αράκυνθος", έκδοση 2008, σελίδες 397, ISBN: 978-960-91034-9-7.
4. Kandarakis I. Nikolopoulos D., Cavouras D., Liaparinos P. Episkopakis,..., Panayiotakis G . Angular Distribution of light emitted by fluorescent screens excited by x-rays. άρθρο στην έκδοση: A. Mendez-Vilas (Editor): Recent advances in multidisciplinary applied physics, Elsevier, 2005. pages 600. ISBN: 0-08-044648-5

B. Εγκεκριμένες διδακτικές σημειώσεις (6)

Θέματα: Φυσική και Τεχνολογία Υπερηχογραφίας, Φυσική και Τεχνολογία Απεικόνισης Πυρηνικού Μαγνητικού Συντονισμού, Φυσική και Τεχνολογία Ακτινοθεραπείας, Εισαγωγή στη Βιοιατρική Τεχνολογία, Οργανολογία Ιατρικής Απεικόνισης, Εργαστηριακές Ασκήσεις Φυσικής, Φυσική της Ενδοϊστικής Ακτινοθεραπείας κλπ (εγκεκριμένα για διανομή σε φοιτητές των ιδρυμάτων ΤΕΙ Αθήνας, Πανεπιστήμιο Κρήτης, Πανεπιστήμιο Πάτρας, Πανεπιστήμιο Θεσσαλίας)

Γ. Άρθρα σε ενημερωτικά επιστημονικά περιοδικά (μη ερευνητικού χαρακτήρα) (8)

Θέματα: Απεικόνιση Μαγνητικού Συντονισμού, Ψηφιακή Ακτινογραφία, Ανιχνευτές ακτινοβολίας, Τομογραφία Εκπομπής Ποζιτρονίου

Δ. ΔΙΔΑΚΤΙΚΗ ΔΡΑΣΤΗΡΙΟΤΗΤΑ

A. Προπτυχιακά προγράμματα

Τ.Ε.Ι. ΑΘΗΝΑΣ

(Σεπτέμβριος 1985- Φεβρουάριος 1991 / Τμ .Ραδιολογίας- Ακτινολογίας):

1. Ραδιενεργά Ισότοπα I (Φυσικές αρχές και τεχνικές Πυρηνικής Ιατρικής)
2. Ραδιενεργά Ισότοπα II (Φυσικές αρχές και τεχνικές Πυρηνικής Ιατρικής)
3. Ακτινοφυσική III (Φυσική της ενδοϊστικής και ενδοκοιλοτικής Ακτινοθεραπείας)
4. Ακτινοφυσική IV (Φυσική Ακτινοσκόπησης, Μαγνητικού Συντονισμού, Υπερήχων)
5. Ακτινολογία-Ραδιολογία-Ακτινοπροστασία

ΣΤΡΑΤΙΩΤΙΚΗ ΣΧΟΛΗ ΕΥΕΛΠΙΔΩΝ

(Σεπτέμβριος 1985- Ιούνιος 1989):

1. Γενική Φυσική (Μηχανική, Ηλεκτρομαγνητισμός).

ΠΑΝΕΠΙΣΤΗΜΙΟ ΚΡΗΤΗΣ

(Μάρτιος 1988 - Φεβρουάριος 1991/ Ιατρική-Ηράκλειο):

1. Οργανολογία Ιατρικών Απεικονίσεων (Ακτινοδιαγνωστικής, Πυρηνικής Ιατρικής, Μαγνητικού Συντονισμού, Υπερηχογραφίας κλπ)
2. Φασματοσκοπία στην Ιατρική και τη Βιολογία (Φασματοσκοπία Πυρηνικού Μαγνητικού Συντονισμού)
3. Φυσική I (Μηχανική, Θερμοδυναμική, Οπτική, Ηλεκτρομαγνητισμός).

4. Φυσική ΙΙ (Ηλεκτρονική, Ατομική και Πυρηνική Φυσική).

ΠΑΝΕΠΙΣΤΗΜΙΟ ΘΕΣΣΑΛΙΑΣ

(Σεπτέμβριος 1997- Φεβρουάριος 2001/ Ιατρική-Λάρισα):

1. Ιατρική Φυσική (Ατομική και Πυρηνική Φυσική, Οπτική, Ρευστοδυναμική)
2. Ιοντίζουσα και μη Ιοντίζουσα Ακτινοβολία στην Ιατρική (Ακτινοδ., Πυρ. Ιατρ. Ακτινοθερ)

Τ.Ε.Ι. ΑΘΗΝΑΣ

(Φεβρουάριος 1989- σήμερα /Τμ. Τεχνολογίας Ιατρικών Οργάνων)

1. Ιοντίζουσες Ακτινοβολίες Ι (Φυσικές και τεχνολογικές αρχές Ακτινοδιαγνωστικής)
2. Ιοντίζουσες Ακτινοβολίες ΙΙ (Φυσικές και τεχνολογικές αρχές Πυρηνικής Ιατρικής)
3. Ιοντίζουσες Ακτινοβολίες ΙΙΙ (Φυσικές και τεχνολογικές αρχές Ακτινοθεραπείας, Απεικόνισης Πυρηνικού Μαγνητικού Συντονισμού και Υπερηχογραφίας)
4. Εισαγωγή στη Βιοϊατρική Τεχνολογία (Αισθητήρες, επεξεργ. σήματος-εισαγωγικό μάθημα)

B. Μεταπτυχιακά προγράμματα

ΠΑΝΕΠΙΣΤΗΜΙΟ ΠΑΤΡΩΝ

Μεταπτυχιακό Σεμινάριο Ιατρικής Φυσικής.

(Σεπτέμβριος 1988- Ιούνιος 1989):

1. Φυσικές Αρχές Ιατρικής Απεικόνισης με Πυρηνικό Μαγνητικό Συντονισμό

Μεταπτυχιακό Πρόγραμμα «Ιατρική Φυσική» (Erasmus, Tempus, Tempere, ΕΠΕΑΕΚ).

(Νοέμβριος 1994 έως σήμερα / Διατμηματικό πρόγραμμα τμημάτων Φυσικής και Ιατρικής/συμμετοχή ως διδασκων και ως συντονιστής θεματικής ενότητας):

2. Φυσική της Ακτινοδιαγνωστικής (*Physics of Diagnostic Radiology*)
3. Φυσική της Πυρηνικής Ιατρικής (*Physics of Nuclear Medicine*)
(Συντονιστής θεματικής ενότητας (module) Πυρηνικής Ιατρικής)

Μεταπτυχιακό Πρόγραμμα «Βιοϊατρική Τεχνολογία» (Erasmus, Tempus, ΕΠΕΑΕΚ κλπ.)

(Β Εξάμηνο 2008 / Διατμηματικό πρόγραμμα Ιατρικής Παν. Πατρών και ΕΜΠ /συμμετοχή ως διδασκων)
(Αγγλόφωνο)

4. Ιατρική Απεικόνιση: Οργανολογία-Μετρήσεις (*Medical Imaging: Instrumentation and Measurements*)

ΠΑΝΕΠΙΣΤΗΜΙΟ ΑΘΗΝΩΝ // ΤΕΙ ΑΘΗΝΑΣ // ΙΔΡΥΜΑ ΙΑΤΡΟ-ΒΙΟΛΟΓΙΚΩΝ ΕΡΕΥΝΩΝ ΑΚΑΔΗΜΙΑΣ ΑΘΗΝΩΝ // ΕΚΕΦΕ «Δημόκριτος».

Μεταπτυχιακό Πρόγραμμα «Πληροφορική στην Ιατρική και Βιολογία»

1. Συστήματα Ιατρικής Απεικόνισης

Γ. Διδακτορικά, προπτυχιακές και μεταπτυχιακές πτυχιακές εργασίες

1. Συμμετοχή σε τριμελείς επιτροπές διδακτορικών (10) στο Πανεπιστήμιο Πατρών (Ιατρικής Φυσικής, Βιοϊατρικής Τεχνολογίας, Ηλεκτρονικής και επεξεργασίας πληροφορίας).
2. Συμμετοχή σε τριμελείς επιτροπές μεταπτυχιακών πτυχιακών εργασιών (Μεταπτυχιακό Ιατρικής Φυσικής) στο Πανεπιστήμιο Πατρών
3. Επίβλεψη πτυχιακών εργασιών ερευνητικού χαρακτήρα σε προπτυχιακό επίπεδο στο ΤΕΙ Αθήνας.

Δ. Εκπαιδευτικά προγράμματα

1. Συμμετοχή σε εκπαιδευτικά προγράμματα: 1.ΕΠΕΑΕΚ-ΑΠΠΣ-ΤΕΙ Αθήνας-ΤΙΟ, 2. ΕΠΕΑΕΚ Μεταπτυχιακών σπουδών στο Πανεπιστημίου Πατρών - Διατμηματικό Ιατρικής Φυσικής, 3. Συνεχιζόμενη εκπαίδευσης με το Ελλην. Ανοικτό Πανεπιστήμιο.
2. Συμμετοχή σε εκπαιδευτικά προγράμματα Erasmus, Tempus μέσω του Πανεπιστημίου Πατρών

Ε. ΠΡΑΚΤΙΚΗ - ΕΠΑΓΓΕΛΜΑΤΙΚΗ ΔΡΑΣΤΗΡΙΟΤΗΤΑ

ΓΕΝΙΚΟ ΝΟΣΟΚΟΜΕΙΟ ΑΕΡΟΠΟΡΙΑΣ (251 Γ.Ν.Α.)

(Ιούλιος 1982- Σεπτέμβριος 1983 και Ιανουάριος 1985- Απρίλιος 1989)

Τμήματα Γενικής Ακτινολογίας, Υπερηχογραφίας και Υπολογιστικής Αξονικής Τομογραφίας

ΠΑΝΕΠΙΣΤΗΜΙΑΚΟ ΝΟΣΟΚΟΜΕΙΟ ΑΘΗΝΩΝ «ΑΡΕΤΑΙΕΙΟ»

(Νοέμβριος 1983- Ιούνιος 1984)

Τμήματα Ιατρικής Φυσικής, Πυρηνικής Ιατρικής και Ακτινοθεραπείας.

ΠΑΝΕΠΙΣΤΗΜΙΑΚΟ ΝΟΣΟΚΟΜΕΙΟ ΚΡΗΤΗΣ (ΠΕ.ΠΑ.Γ.Ν.Η.)

(Νοέμβριος 1988 - Φεβρουάριος 1989 και Μάιος 1989 – Ιανουάριος 1990)

Τμήματα Ιατρικής Φυσικής και Ακτινοδιαγνωστικής.

(Μέλος επιστημονικής επιτροπής παραλαβής ακτινολογικού εξοπλισμού)

ΣΤ. ΕΡΕΥΝΗΤΙΚΗ ΔΡΑΣΤΗΡΙΟΤΗΤΑ

A. Γνωστικά πεδία

1. Ιατρική Φυσική και Ακτινοφυσική
2. Οργανολογία και Τεχνολογία Ιατρικής Απεικόνισης

B. Θεματικές περιοχές

1. Αξιολόγηση σπινθηριστών και φωσφόρων για εφαρμογή σε ανιχνευτές ακτινοβολίας (Ακτινοδιαγνωστικής, Πυρηνικής Ιατρικής και Πυλαίας Απεικόνισης (portal imaging) Ακτινοθεραπείας).
2. Εφαρμογές αναλυτικών θεωρητικών μοντέλων και μεθόδων Μόντε Κάρλο στη μελέτη ανιχνευτών και ολοκληρωμένων απεικονιστικών συστημάτων Ακτινοδιαγνωστικής, Πυρηνικής Ιατρικής και Πυλαίας Απεικόνισης (portal imaging) Ακτινοθεραπείας.

3. Αξιολόγηση απεικονιστικών συστημάτων μέσω αντικειμενικών παραμέτρων εικόνας (πειραματική και θεωρητική διερεύνηση παραμέτρων απεικόνισης-MTF, NPS, DQE).
4. Μη ιονίζουσες ακτινοβολίες (Απεικόνιση Μαγνητικού Συντονισμού, Υπερηχογραφία)

-(Επιχορηγούμενα προγράμματα: ΕΠΕΑΕΚ «Αρχιμήδης» I και «Αρχιμήδης» II, «Πυθαγόρας» κλπ, ΓΓΕΤ (Ελληνο-ουκρανική συνεργασία), Επιτροπής Ερευνών ΤΕΙ Αθήνας-«Αθηνά 2004 // Μεταδιδακτορικής Ερευνας ΙΚΥ/ συνολικά.10, κατάλογος στο τέλος του σημειώματος)

Γ. Επιστημονικές Δημοσιεύσεις (παράτιθεται κατάλογος στο τέλος του σημειώματος)

1. Σε διεθνή επιστημονικά περιοδικά (με κριτές): άνω των 85
2. Σε διεθνή επιστημονικά συνέδρια (με κριτές): άνω των 120
3. Ετεροαναφορές εργασιών: 250

Z. ΛΟΙΠΕΣ ΕΠΙΣΤΗΜΟΝΙΚΕΣ-ΕΡΕΥΝΗΤΙΚΕΣ & ΕΚΠΑΙΔΕΥΤΙΚΕΣ ΔΡΑΣΤΗΡΙΟΤΗΤΕΣ

A. Κριτής επιστημονικών δημοσιεύσεων σε διεθνή περιοδικά (Reviewer)

1. Περιοδικό European Radiology.
2. Περιοδικό Radiation Physics and Chemistry
3. Περιοδικό Medical and Biological Engineering and Computing
4. Περιοδικό Nuclear Instruments and Methods in Physics Research- B
5. Περιοδικό Journal of Materials Science
6. Περιοδικό Optical Materials
7. Διεθνές συνέδριο European Materials Research Symposium-2006 / Strasbourg-France
8. Περιοδικό Nuclear Instruments and Methods in Physics Research- A
9. Περιοδικό Medical Physics
10. Περιοδικό Physica Medica (European Journal of Medical Physics)
11. Περιοδικό Journal of Raman Spectroscopy
12. Περιοδικό Journal of Alloys and Compounds

B. Πρόεδρος συνεδρίας & μέλος επιστημονικών-οργανωτικών επιτροπών σε διεθνή επιστημονικά συνέδρια (session chairman-scientific / organizing committee):

1. V. International symposium on Biomedical Engineering. Santiago. Spain, September 1994.
(Session on Biophysical and Biochemical measurements)
2. Mediterranean Conference on Medical and Biological Engineering-Medicon, Jerusal. Israel 1995
3. VI. International conference on Medical Physics. Patras, Greece. September 1999
(Session on New Developments in Medical Image Detectors)
4. II. Mediterranean Conference on Medical Physics Cyprus, May 2004
5. I. International conference from computer science to computational engineering. Athens. August, 2004
6. I. International conference on experiments, processes, system modeling, simulation, optimization (IC-EpsMso), Athens, Greece, July, 2005 (sessions chairman, member of scientific committee)
7. International World Scientific and Engineering Society (WSEAS) Conference on "Enginnering Education", Vouliagmeni, Athens, July, 2005 (sessions chairman, member of scientific committee)
8. II. International conference from computer science to computational engineering. (Scientific committee, mini-symposium organizer (medical imaging), session chairman). Athens. July, 2006
9. II. International conference on experiments, processes, system modeling, simulation, optimization (IC-EpsMso), Athens, Greece, July, 2007 (sessions chairman, member of scientific committee) // mini-symposium organizer (medical imaging),

10. III. International conference from computer science to computational engineering. (Scientific committee, mini-symposium organizer (medical imaging), session chairman). Athens. July, 2008
11. III. International conference on experiments, processes, system modeling, simulation, optimization (IC-EpsMso), Athens, Greece, July, 2009 (sessions chairman, member of scientific committee) // mini-symposium organizer (medical imaging),
12. IV. International conference from computer science to computational engineering. (Scientific committee, mini-symposium organizer (medical imaging), session chairman). Athens. July, 2010
13. IV. International conference on experiments, processes, system modeling, simulation, optimization (IC-EpsMso), Athens, Greece, July, 2011 (sessions chairman, member of scientific committee)
14. 2ο Πανελλήνιο Συνέδριο Βιοϊατρικής και Ιατροτεχνολογικού εξοπλισμού (Αντιπρόεδρος επιστημονικής επιτροπής, πρόεδρος συνεδρίας, Προσκεκλημένος ομιλητής), Καβάλα 27-29 Μαΐου 2011

Γ. Προσκεκλημένος ομιλητής σε πολλές επιστημονικές ημερίδες και συνέδρια

Δ. Αξιολογητής προτάσεων ερευνητικών προγραμμάτων: Σε 12 προτάσεις ΕΠΕΑΕΚ

Ε. Εισηγητής εξετάσεων ΙΚΥ (σε δύο τομείς υποτροφιών)

ΣΤ. Εποπτεία υποτρόφων ΙΚΥ (μεταπτυχιακών φοιτητών και υποψηφίων Διδασκόντων εξωτερικού)

Ζ. Συντονιστής προγράμματος μεταδιδακτορικής έρευνας εγκεκριμένης από το ΙΚΥ

Η. Πρόεδρος & μέλος εισηγητικών επιτροπών εκλεκτορικών σωμάτων και μέλος εκλεκτορικών σωμάτων (Τμήματος ΤΙΟ και άλλων τμημάτων)

Θ. Μέλος επιτροπών αξιολόγησης, αγοράς, παραλαβής εργαστηριακού εξοπλισμού (Πανεπιστημιακό Νοσοκομείο Κρήτης, ΤΕΙ Αθήνας)

Ι. Διοικητικές θέσεις (σήμερα και στο παρελθόν): Προϊστάμενος τμήματος ΤΙΟ, μέλος διοικητικών συμβουλίων τμήματος, υπεύθυνος τομέα, εκπρόσωπος τμήματος στη Γ.Σ. του ΤΕΙ Αθήνας, αντιπρόσωπος στην Επιτροπή Ερευνών κλπ

ΠΑΡΑΡΤΗΜΑ

A. ΚΑΤΑΛΟΓΟΣ ΔΗΜΟΣΙΕΥΣΕΩΝ ΕΡΕΥΝΗΤΙΚΩΝ ΕΡΓΑΣΙΩΝ

A. Σε διεθνή επιστημονικά περιοδικά (με κριτές και παράγοντα απήχησης-impact factor)

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Τα άρθρα που ακολουθούν έχουν δημοσιευθεί σε συμπληρωματικά τεύχη επιστημονικών περιοδικών και ειδικές εκδόσεις (προερχόμενα από συνέδρια μετά από κρίση)

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Γ. Ετεροαναφορές σε δημοσιεύσεις (άνω των 240, // δεν αναγράφονται στο παρόν σημείωμα)

Δ. Δημοσιεύσεις στο ηλεκτρονικό περιοδικό **e-Journal of Science and Technology** που εκδίδεται στο ΤΕΙ Αθήνας (10)

B. ΚΑΤΑΛΟΓΟΣ ΕΠΙΧΟΡΗΓΟΥΜΕΝΩΝ ΕΡΕΥΝΗΤΙΚΩΝ ΠΡΟΓΡΑΜΜΑΤΩΝ

- ΕΠΕΑΕΚ-«ΑΡΧΙΜΗΔΗΣ»: «Μελέτη φωσφόρων σπινθηριστών για χρήση σε ανιχνευτές ακτινοβολίας συστημάτων Ιατρικής Απεικόνισης», 1-2-2004 έως 31-8-2006 (Επιστημονικός Υπεύθυνος)
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- ΕΠΕΑΕΚ- «ΠΥΘΑΓΟΡΑΣ» «Βελτιστοποίηση ανιχνευσιμότητας αλλοιώσεων στη μαστογραφία με τεχνικές Μόντε-Κάρλο»
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- ΕΠΕΑΕΚ-«ΑΡΧΙΜΗΔΗΣ»: «Ανάπτυξη συστήματος ταξινόμησης προκλητών δυναμικών και ενδοκρανιακών ρευάτων με χρήση μηχανών διανυσμάτων στήριξης (SVM) και πιθανοκρατικών νευρωνικών δικτύων (PNN)», 1-2-2004 έως 31-8-2006
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- ARHIMEDES III: (XDUALGNOSIS) Novel Applications of X-Ray Dual Energy for Early Diagnosis in Osteoporosis, Mammography and Angiography (Participant in the main research group /coordinator George Fountos).

- ARHIMEDES III: (NANOCARLO) Evaluation of Nanophosphors for Medical Imaging Applications: Monte Carlo Simulation and Experimental Evaluation of a Nanophosphor - CMOS Prototype (coordinator Ioannis Kandarakis)
- ARHIMEDES III: (SCoDo) Experimental Evaluation of New co-doped Scintillator Materials for Use in Combined Tomographic Imaging Systems ((Participant in the main research group / coordinator Konstantinos Kourkoutas)

Γ. ΚΑΤΑΛΟΓΟΣ ΔΙΔΑΚΤΟΡΙΚΩΝ (συμμετοχή στην επίβλεψη ως μέλος τριμελούς επιτροπής)

1. Π.Λιαπαρίνος: «Ανάπτυξη Υπολογιστικού Μοντέλου για μελέτη φθορίζοντων υλικών Ιατρικής Απεικόνισης με τη μέθοδο Μόντε Κάρλο»
2. Ι. Βαλαής: «Διερεύνηση μονοκρυσταλλικών σπινθηριστών με ενεργοποιητή τρισθενούς Δημητρίου (Ce^{+3}) για χρήση σε ανιχνευτές ακτινοβολίας»
3. Χ. Μιχαήλ: «Διερεύνηση απεικονιστικών χαρακτηριστικών φθορίζουσών οθονών για χρήση σε ψηφιακούς ανιχνευτές κατάλληλους για τηλεϊατρική».
4. Σ. Δαυίδ: «Πειραματική αξιολόγηση μονοκρυσταλλικών σπινθηριστών και σπινθηριστών κοκκώδους μορφής σε ανιχνευτές ιατρικής απεικόνισης: εφαρμογή σε πειραματικό πρωτότυπο απεικονιστικό σύστημα και Κατασκευή πρότυπου απεικονιστικού συστήματος»
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11. Ι. Βλάχος