

Δρ. Δημήτριος Λαμπάκης του Αθανασίου
ΒΙΟΓΡΑΦΙΚΟ ΣΗΜΕΙΩΜΑ (Φεβρουάριος 2012)

Διεύθυνση εργασίας:
 Τ.Ε.Ι. Λάρισα,
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Τόπος και Ημερομηνία γεννήσεως Αλεξανδρούπολη,
 1 Σεπτεμβρίου, 1970

Στρατιωτικές υποχρεώσεις Εκπληρωμένες
 (18μηνη θητεία στον Ελληνικό Στρατό Ξηράς, 25-05-1999 έως 25-11-2000)

Οικογενειακή κατάσταση Άγαμος

Βασική εκπαίδευση Σεπτέμβριος 1982 – Ιούνιος 1988.
 Γυμνάσιο και Λύκειο Σουφλίου.

Σπουδές Δεκέμβριος 1995 -Ιούλιος 2002.
 Εκπόνηση διδακτορικής διατριβής στη Φυσική Στερεάς Καταστάσεως με τίτλο «ΦΑΣΜΑΤΟΣΚΟΠΙΚΗ ΜΕΛΕΤΗ RAMAN ΥΠΕΡΑΓΩΓΩΓΩΝ ΤΗΣ ΣΕΙΡΑΣ $\text{La}_2\text{-xSr}_x\text{CuO}_4$ », στον Τομέα Φυσικής της Σχολής Εφαρμοσμένων Μαθηματικών και Φυσικών Επιστημών του Εθνικού Μετσόβιου Πολυτεχνείου.
 Επιβλέπων: Καθηγητής Ε. Λιαροκάκης.
 (Ημερομηνία Ορκωμοσίας: 19/09/2002)

Σεπτέμβριος 1994 – Οκτώβριος 1995.

Μεταπτυχιακές σπουδές και απόκτηση του τίτλου «Master of Science» in Elementary Particle Theory (Φυσική Στοιχειωδών Σωματίων).

Centre for Particle Theory, University of Durham, Durham, U.K.

M.Sc. Dissertation: “SUPERSYMMETRIC QUANTUM MECHANICS AND SHAPE INVARIANT POTENTIALS”.

Dissertation Supervisor: Dr. C.J. Maxwell.

(Ημερομηνία Ορκωμοσίας 28/06/1996)

Σεπτέμβριος 1989 – Φεβρουάριος 1994.

Φοίτηση στο Τμήμα Φυσικής της Σχολής Θετικών Επιστημών του Πανεπιστημίου Ιωαννίνων και απόκτηση του αντιστοίχου Διπλώματος - Βαθμός Πτυχίου 6.59/10 (Λίαν καλώς).

(Ημερομηνία Ορκωμοσίας 08/04/1994)

Διδακτική

Οκτώβριος 2003 – μέχρι σήμερα,

Εμπειρία

Επιστημονικός/Εργαστηριακός Συνεργάτης στο Γενικό Τμήμα Θετικών Επιστημών, της Σχολής Τεχνολογικών Εφαρμογών, του Τεχνολογικού Εκπαιδευτικού Ιδρύματος (Τ.Ε.Ι.) Λάρισας (συμβάσεις ορισμένου χρόνου, από τον Οκτώβριο έως τον Ιούνιο κάθε ακαδημαϊκού έτους).

Αυτοδύναμη διδασκαλία θεωρητικών και εργαστηριακών μαθημάτων.

Σεπτέμβριος 1996 – Ιούνιος 1998, Σεπτέμβριος 2001 – Ιούνιος 2002 και Σεπτέμβριος 2002 – Ιούνιος 2003 Διδάσκων εργαστηριακών μαθημάτων Φυσικής στον Τομέα Φυσικής του Ε.Μ.Π.

**Άλλες εκπαι-
δευτικές δρα-
στηριότητες**

Τον Οκτώβριο του 2005 ήμουν υπεύθυνος του προγραμματισμού διδασκαλίας και του καθορισμού διδακτέας-εξεταστέας ύλης των μαθημάτων της Φυσικής (Θεωρία και Εργαστήριο) του νεοσύστατου, τότε, Τμήματος Τεχνολογίας Τροφίμων του Παραρτήματος Καρδίτσας του ΤΕΙ Λάρισας, όπου συμπληρώθηκαν και τα αντίστοιχα Φύλλα Έργου.

(Πληρ. Δρ. Α. Μανούρας)

Από τον Οκτώβριο του 2003 μέχρι σήμερα συμμετέχω στον προγραμματισμό διδασκαλίας Εργαστηριακών μαθημάτων Φυσικής των Τμημάτων της Σχολής Τεχνολογικών Εφαρμογών του ΤΕΙ Λάρισας.

(Πληρ. Δρ. Α. Ζάχος).

Τον Οκτώβριο του 2002 ήμουν υπεύθυνος του προγραμματισμού διδασκαλίας και του καθορισμού διδακτέας-εξεταστέας ύλης του μαθήματος 'Κεφάλαια Φυσικής' (Θεωρία και Εργαστήριο) του τότε Τμήματος Γεωργικών Μηχανημάτων και Αρδεύσεων (σημερινή ονομασία: Τμήμα Μηχανικής Βιοσυστημάτων) του ΤΕΙ Λάρισας.

(Πληρ. Δρ. Θ. Λέλης).

Επαγγελματική/Ερευνητική Εμπειρία Τρέχουσα δραστηριότητα:
 Ως Φυσικός – Ερευνητής στο Γενικό Τμήμα Θετικών Επιστημών και Εργαστήριο Τεχνολογίας Τροφίμων του ΤΕΙ Λάρισας. Αυτή η δραστηριότητα λαμβάνει χώρα στα πλαίσια του ερευνητικού προγράμματος Αρχιμήδης ΙΙΙ και, πιο συγκεκριμένα, για τα Υποέργα:

- (i) ΑΝΑΠΤΥΞΗ ΚΑΙ ΕΦΑΡΜΟΓΗ ΧΡΩΜΑΤΟΓΡΑΦΙΚΩΝ ΚΑΙ ΦΑΣΜΑΤΟΣΚΟΠΙΚΩΝ ΜΕΘΟΔΩΝ ΓΙΑ ΤΗΝ ΤΑΥΤΟΠΟΙΗΣΗ ΧΡΩΣΤΙΚΩΝ ΣΕ ΙΣΤΟΡΙΚΑ ΥΦΑΣΜΑΤΑ,
- (ii) ΑΝΑΠΤΥΞΗ ΜΕΘΟΔΟΥ ΟΛΙΚΗΣ ΑΞΙΟΠΟΙΗΣΗΣ ΑΠΟΒΛΗΤΩΝ ΕΛΑΙΟΤΡΙΒΕΙΟΥ ΓΙΑ ΠΑΡΑΓΩΓΗ ΒΙΟ-ΔΡΑΣΤΙΚΩΝ ΟΥΣΙΩΝ ΥΨΗΛΗΣ ΠΡΟΣΤΙΘΕΜΕΝΗΣ ΑΞΙΑΣ ΚΑΙ ΑΓΡΟ-ΥΛΙΚΩΝ

Ακόμη, εργάστηκα ως Φυσικός – Ερευνητής στο:

(i) Σεπτέμβριος 2006 – Αύγουστος 2007 και Απρίλιος 2009 – Ιούλιος 2009, ερευνητικό πρόγραμμα (με την ιδιότητα του Έμπειρου Μεταδιδακτορικού Ερευνητή) «ΠΕΝΕΔ» (Υπουργείο Ανάπτυξης, Γ.Γ.Ε.Τ.) με τίτλο «**Λειτουργικές νανοδομές από ηλεκτρονικό διαχωρισμό φάσεων**», του Τομέα Φυσικής του Ε.Μ.Π.

(ii) Δεκέμβριος 2008 – Απρίλιος 2009,

Στο ερευνητικό πρόγραμμα με τίτλο «**Οπτική φασματοσκοπική μελέτη λεπτών υμενίων μαγγανιδίων**», του Τομέα Φυσικής του Ε.Μ.Π.

(iii) *Σεπτέμβριος 2007 – Νοέμβριος 2008,*

Στο ερευνητικό πρόγραμμα (με χρηματοδότηση από την Ευρωπαϊκή Ένωση) με τίτλο **‘Controlling Mesoscopic Phase Separation’**, του Τομέα Φυσικής του Ε.Μ.Π.

(iv) *Ιούλιος 2004 – Αύγουστος 2006*

ερευνητικό πρόγραμμα (με την ιδιότητα του Μεταδιδακτορικού Ερευνητή) «ΠΥΘΑΓΟΡΑΣ» (ΥΠΕΠΘ) με τίτλο **«Μελέτη ανταγωνισμού φάσεων σε συστήματα ισχυρά συσχετισμένων ηλεκτρονίων»**, του Τομέα Φυσικής του Ε.Μ.Π.

(v) *Σεπτέμβριος 2002 – Ιούνιος 2003*

ερευνητικό πρόγραμμα του Τομέα Φυσικής του Ε.Μ.Π, με τίτλο: **«Ενίσχυση εργαστηριακών μαθημάτων της Σχολής Ε.Μ.Φ.Ε.»**.

(vi) *Σεπτέμβριος 2001 – Ιούνιος 2002*

ερευνητικό πρόγραμμα του Τομέα Φυσικής του Ε.Μ.Π, με τίτλο: **«Ενίσχυση εργαστηριακών μαθημάτων της Σχολής Ε.Μ.Φ.Ε.»**.

(vii) *Σεπτέμβριος 2000 – Ιούνιος 2001*

ερευνητικό πρόγραμμα του Τομέα Φυσικής του Ε.Μ.Π, με τίτλο: **«Ενίσχυση εργαστηριακών μαθημάτων του Τμήματος Ε.Μ.Φ.Ε.»**.

(viii) *Ιούνιος 2000 – Αύγουστος 2001*

ερευνητικό πρόγραμμα **«Σύμπλοκα μεταφοράς φορτίου και υδρίδια φουλερενίων. Επίδραση υψηλών πιέσεων και θερμοκρασίας»**. Ερευνητικό πρόγραμμα ΠΕΝΕΔ 1999, 99ΕΔ62, Γενική Γραμματείας Έρευνας και Τεχνολογίας.

(ix) *Οκτώβριος 1998 – Φεβρουάριος 1999*

ερευνητικό πρόγραμμα του Τομέα Φυσικής του Ε.Μ.Π, με τίτλο: **«Μεταρρύθμιση του προγράμματος σπουδών του τμήματος Πολιτικών Μηχανικών Ε.Μ.Π. για τον πολίτη του 21^{ου} αιώνα»**.

(x) *Οκτώβριος 1997 – Ιούνιος 1998*

ερευνητικό πρόγραμμα του Τομέα Φυσικής του Ε.Μ.Π, με τίτλο: **«Ενίσχυση εργαστηριακών μαθημάτων του Γενικού Τμήματος»**.

(xi) Δεκέμβριος 1995 - Δεκέμβριος 1997

ερευνητικό πρόγραμμα του Τομέα Φυσικής του Ε.Μ.Π, με τίτλο «**Ανάπτυξη και εφαρμογές υπεραγωγών υψηλών θερμοκρασιών**». Ερευνητικό πρόγραμμα ΕΠΕΤ-360 της Γενικής Γραμματείας Έρευνας και Τεχνολογίας χρηματοδοτούμενο από την Κοινότητα στο οποίο συμμετείχαν διάφορα Ελληνικά Πανεπιστήμια, Ερευνητικά Ινστιτούτα και Βιομηχανίες.

Υποτροφίες-Βραβεία 01/01/1998-31/03/1999: Υποτροφία του Εθνικού Μετσόβιου Πολυτεχνείου (Ε.Λ.Ε.) για την εκπόνηση διδακτορικής διατριβής στη θεματική περιοχή της Φυσικής Στερεάς Καταστάσεως.

Βραβεία του 'Θωμαϊδείου' Ιδρύματος (το 2000, 2001 και 2003) για δημοσίευση άρθρων σε εγκεκριμένα διεθνή περιοδικά.

Κριτής Στο επιστημονικό περιοδικό 'High Pressure Research'

Διεθνή Σχολεία "HTc Superconductivity 1996: Ten years after the discovery", ASI-NATO School, Δελφοί, 19-31 Αυγούστου 1996.

Επισκέπτης-Ερευνητής στο Ερευνητικό Κέντρο **ESRF** (European Synchrotron Radiation Facility), στην πόλη Grenoble της Γαλλίας για διενέργεια κρυσταλλογραφικών μετρήσεων με την χρήση υψηλής ποιότητας δέσμης σύγχροτρου (Φεβρουάριος 2008 για μια εβδομάδα και Οκτώβριος 2011 για μια εβδομάδα),

στο Ερευνητικό Κέντρο **ELETTRA** (Elettra Laboratory of Sincrotrone), στην πόλη Τεργέστη της Ιταλίας για διενέργεια κρυσταλλογραφικών μετρήσεων με την χρήση υψηλής ποιότητας δέσμης σύγχροτρου (Αύγουστος 2011 για μια εβδομάδα).

στο Ερευνητικό Κέντρο **DESY** (Deutsches Elektronen-Synchrotron), στην πόλη Αμβούργο της Γερμανίας για διενέργεια κρυσταλλογραφικών μετρήσεων με την χρήση υψηλής ποιότητας δέσμης σύγχροτρου (Ιούνιος 2012 για μια εβδομάδα).

Γλώσσες Ελληνική (μητρική), Αγγλική.

Τεχνικές Δεξιότητες Κατά την διάρκεια της εκπόνησης της διδακτορικής μου διατριβής και της συμμετοχής μου στα προαναφερθέντα ερευνητικά προγράμματα, είτε ως μεταδιδακτορικός είτε ως έμπειρος ερευνητής, απέκτησα:

- εμπειρία στην λειτουργία **διπλού (με φωτοπολλαπλασιαστή) και τριπλού (με ανιχνευτή CCD) οπτικού φασματόμετρου** με τη βοήθεια μικροσκοπίου για μετρήσεις Raman, καθώς και **φασματόμετρου Raman με μετασχηματισμό Fourier (FT-Raman)**
- εμπειρία στην λειτουργία **φασματόμετρου για μετρήσεις στο Υπέρυθρο (IR και FT-IR)**,
- εμπειρία στην λειτουργία **ηλεκτρονικού μικροσκοπίου σάρωσης (SEM)**,
- εμπειρία στην διενέργεια **κρυσταλλογραφικών μετρήσεων** με υψηλής ποιότητας δέσμη από **σύγχροτρο**,
- εμπειρία στην διενέργεια μετρήσεων νανοδομημάτων σε υψηλό Μαγνητικό Πεδίο,
- Εμπειρία στην παρασκευή υπεραγωγίων υλικών και υλικών κολοσσιαίας μαγνητοαντίστασης,

καθώς και σχετικών συσκευών, όπως

- (α) αντλίες υψηλού κενού,
- (β) κρυοστάτες υγρού ηλίου/αζώτου,
- (γ) φούρνοι υψηλών θερμοκρασιών ($T > 1000$ °C)
- (γ) lasers ιόντων, υδρόψυκτων και αερόψυκτων,
- (δ) κυψελίδων άκμονος διαμαντιού,

που μου ήταν απαραίτητες για την **ανάπτυξη** κατάλληλων πειραματικών διατάξεων για λήψη μετρήσεων σε ακραίες συνθήκες, δηλαδή, σε χαμηλές θερμοκρασίες έως και 5 K ($= -268$ °C) και υψηλές υδροστατικές πιέσεις έως και 110 Kbar ($= 110000$ atm), σε κλίμακα μm .

Πακέτα Προσωπικών Ηλεκτρονικών Υπολογιστών (P.Cs), όπως Word, Excel, DatLab, Power Point, Grapher, Origin for Windows, ACAD, Latex, κλπ.

Εμπειρία γλώσσας προγραμματισμού : **FORTTRAN**.

Εμπειρία στην **οικονομική-διοικητική διαχείριση** των προαναφερθέντων ερευνητικών προγραμμάτων.

Dr. D. Lampakis

Publications: 102 (47 in National/International Conferences + 52 in International Scientific Journals + 2 in National Journals + 1 Chapter in Book)

A. Δημοσιεύσεις σε Πανελλήνια/Διεθνή Συνέδρια

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| Περιλήψεις
εργασιών σε
Πρακτικά
Ελληνικών
Συνεδρίων | <p>A1) <i>Φασματοσκοπική μελέτη Raman σε χαμηλές θερμοκρασίες του υπεραγωγού $YBa_2Cu_3O_x$ ($6.44 \leq x \leq 6.98$)</i>, Δ. Παλλές, Δ. Λαμπάκης, Ν. Πουλάκης, Ε. Λιαροκάπης, Κ. Conder, και Ε. Καλδής, XII Πανελλήνιο Συνέδριο Φυσικής Στερεάς Κατάστασης, Ηράκλειο Κρήτης, 15-18 Σεπτεμβρίου, 1996.</p> <p>A2) <i>Επίδραση των τάσεων του υποστρώματος στις ιδιότητες του λεπτού υμενίου $Pr_{0.5}Ca_{0.5}MnO_3$</i>, Α. Τάτση, Ε. Παπαδοπούλου, Δ. Λαμπάκης, Ε. Λιαροκάπης, W. Prellier, ΙΗ' Πανελλήνιο Συνέδριο Φυσικής Στερεάς Κατάστασης, Ηράκλειο, 15-18 Σεπτεμβρίου, 2002.</p> <p>A3) <i>Φασματική μελέτη micro-Raman της ένωσης $La_{2-x}Sr_xCuO_4$ σε χαμηλές θερμοκρασίες (10-295K)</i>, Δ. Λαμπάκης, Α. Τάτση, Ε. Λιαροκάπης, C. Panagopoulos και J.R. Cooper, ΙΗ' Πανελλήνιο Συνέδριο Φυσικής Στερεάς Κατάστασης, Ηράκλειο, 15-18 Σεπτεμβρίου, 2002.</p> |
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**Δημοσιεύσεις
σε τόμους
Πρακτικών
Ελληνικών
Συνεδρίων**

- A4) *Διαχωρισμός φάσεων στους υπεραγωγούς $Y_{1-x}Ca_xBa_2Cu_3O_y$* , Δ. Λαμπάκης, Δ. Παλλές, Ν. Πουλάκης, Ε. Λιαροκάπης, G. Boettger και Ε. Καλδής, ΙΓ' Πανελλήνιο Συνέδριο Φυσικής Στερεάς Κατάστασης, Θεσσαλονίκη, 21-24 Σεπτεμβρίου, 1997 (p. 287).
- A5) *Μελέτη των φασμάτων Raman των υπεραγώγιμων υλικών $La_{2-x}Sr_xCuO_4$ ως συνάρτηση της συγκέντρωσης του Sr ($0.0 \leq x \leq 0.45$)*, Δ. Λαμπάκης, Δ. Παλλές, Ν. Πουλάκης, Ε. Λιαροκάπης, C. Panagopoulos, and J.R. Cooper, ΙΔ' Πανελλήνιο Συνέδριο Φυσικής Στερεάς Κατάστασης, Ιωάννινα, 15-18 Σεπτεμβρίου, 1998 (p. 189).
- A6) *Φασματική μελέτη Raman σε υψηλές υδροστατικές πιέσεις των υπεραγωγών υλικών LSCO και YBCO*, Δ. Λαμπάκης, Δ. Παλλές, Ν. Πουλάκης, Ε. Λιαροκάπης, C. Panagopoulos, J.R. Cooper, T. Nishizaki, T. Naito και N. Kobayasi, ΙΕ' Πανελλήνιο Συνέδριο Φυσικής Στερεάς Κατάστασης, Πάτρα, 26-28 Σεπτεμβρίου, 1999 (p. 203).
- A7) *Επίδραση της πίεσης στους τρόπους ταλάντωσης των φωνονίων και τη δομή ημιαγώγιμων υλικών της μορφής $A^{II}B_2^{III}C_4^{VI}$ και κρυστάλλων τους*, Α. Τάτση, Δ. Λαμπάκης, Ε. Λιαροκάπης, S.A. Lopez και W. Giritat, ΙΖ' Πανελλήνιο Συνέδριο Φυσικής Στερεάς Κατάστασης, Ξάνθη, 6-9 Σεπτεμβρίου, 2001 (p. 337).
- A8) *Μελέτη Raman σε λεπτά υμένια $Pr_{0.5}Ca_{0.5}MnO_3$* , Ε.Λ. Παπαδοπούλου, Α. Τάτση, Δ. Λαμπάκης, Ε. Λιαροκάπης, W. Prellier και B. Mersey, XIX Πανελλήνιο Συνέδριο "Φυσικής Στερεάς Κατάστασης & Επιστήμης Υλικών", Θεσσαλονίκη, 21-24 Σεπτεμβρίου, 2003 (p. 121).
- A9) *Επίδραση της αντικατάστασης του Sr στα φάσματα Raman του υπεραγωγού $Y(Ba_{1-x}Sr_x)_2Cu_4O_8$ ($0 \leq x \leq 0.3$)*, Δ. Παλλές, Δ. Λαμπάκης, Ε. Λιαροκάπης, S. M. Kazakov, and J. Karpinski, XXI ΠΣΣΥ, Λευκωσία, 28-31 Αυγούστου, 2005 (p. 106).
- A10) *Μελέτη Raman φαινομένων διαχωρισμού φάσεων και ενδοεπιφανειακών τάσεων λεπτών υμενίων $Pr_{0.5}Ca_{0.5}MnO_3$* , Α. Αντωνάκος, Δ. Παλλές, Δ. Λαμπάκης, Ε. Λιαροκάπης, W. Prellier, και B. Mersey, XXI ΠΣΣΥ, Λευκωσία, 28-31 Αυγούστου, 2005 (p. 86).

Δημοσιεύσεις
σε τόμους
Πρακτικών
Ελληνικών
Συνεδρίων

(συνέχεια από
την προηγούμενη
σελίδα)

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