

CURRICULUM VITAE

Full Name: **Dimitrios Lampakis**

(January, 2011)

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Place and Alexantroupolis,

Date of Birth 1st of September, 1970

Military Completed

Service (18 months Service to Greek Army, 25-05-1999 to 25-11-2000)

Family Status Single

Basic *September 1982 – June 1988.*

Education General High School of Soufli.

Education *December 1995 – July 2002*

Ph.D. in Physics, "*Raman Study of LSCO High T_c Superconductors*", Department of Physics, School of Applied Sciences, National Technical University of Athens.

PhD Supervisor: Prof. E. Liarokapis

(Graduation date: 19/09/2002)

September 1994 – October 1995.

Master of Science in Elementary Particle Theory, 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.

(*Graduation date: 26/06/1996*)

September 1989 – February 1994.

Diploma in Physics, Department of Physics, University of Ioannina, Greece, grade 6.59/10 "very good"

(*Graduation date: 08/04/1994*)

Teaching	<i>October 2003 – up today,</i>
Experience	Assistant (and Applications) Professor, Department of Exact Sciences, Faculty of Applied Sciences, Technological Educational Institute (T.E.I) of Larissa. Autonomous teaching of first and second year Basic Physics courses. Autonomous teaching of first and second year Basic Physics Laboratory courses.

Working and Scientific	<i>September 2009 – up today,</i> current activity
Experience	Senior Researcher in the Department of Management and Conservation of Ecclesiastical Heirlooms of the University Ecclesiastical Academy of Thessaloniki

I have also worked:

(i) *September 2006 – August 2007 and April 2009 – July 2009,*

as a Physicist – Senior Researcher in the research project of the Department of Physics of the National Technical University of Athens, entitled: “**Functional nanostructures generated by an electronic phase separation**”.

Joint research project (ΠΙΕΝΕΔ) of several Greek universities and institutes, funded by the Ministry of Industry, Research and Technology of Greece.

(ii) *December 2008 –April 2009,*

Physicist – Researcher (post-doctoral workplace) in the research project (funded by the National Technical University of Athens) entitled “**Optical spectroscopic study of thin films of manganites**”, in the Department of Physics of the National Technical University of Athens.

(iii) *September 2007 –November 2008,*

Physicist – Researcher (post-doctoral workplace) in the research project (funded by the European Union), entitled “**Controlling Mesoscopic Phase Separation**”, in the Department of Physics of the National Technical University of Athens.

(iv) *July 2004 – August 2006,*

Physicist – Researcher (post-doctoral workplace) in the research project PYTHAGORAS of the Greek Ministry of Education (co-funded by the European Social Fund (75%) and Greek National Resources (25%)), entitled “**Study of the phase competition in strongly correlated electron systems**”, in the Department of Physics of the National Technical University of Athens.

(v) *September 2002 – June 2003*

as a Physicist in the project “**Support of the laboratory courses of the School of Applied Sciences of the National Technical University of Athens**”, funded by the National Technical University of Athens.

(vi) *September 2001 – June 2002*

as a Physicist in the project “**Support of the laboratory courses of the School of Applied Sciences of the National Technical University of Athens**”, funded by the National Technical University of Athens.

(vii) *September 2000 – June 2001*

as a Physicist in the project “**Support of the laboratory courses of the School of Applied Sciences of the National Technical University of Athens**”, funded by the National Technical University of Athens.

(viii) *June 2000 – August 2001*

as a Physicist – Researcher in the research project of the Department of Physics of the University of Thessaloniki, entitled: **“Charge transfer complexes and Fullerenes hydrides: study of the effects of high pressure and low temperatures”**.

Joint research project (ΠΕΝΕΑ 1999, 99ΕΔ62) of several Greek universities and institutes, funded by the Ministry of Industry, Research and Technology of Greece.

(ix) *October 1998 – February 1999*

as a Physicist – Researcher in the research project of the National Technical University of Athens, entitled: **“Reformation of the Program of Studies of the Department of Civil Engineering of the National Technical University of Athens, for the Citizen of the 21st century”**, funded by the National Technical University of Athens.

(x) *October 1997 – June 1998*

as a Physicist in the project **“Support of the laboratory courses of the General Department of the National Technical University of Athens”**, funded by the National Technical University of Athens.

(xi) *December 1995 – December 1997*

as a Physicist – Researcher in the research project of the Department of Physics of the National Technical University of Athens, entitled: **“Development and Applications of High Tc Superconductors”**

Joint research project (ΕΠΕΤ-360) of several Greek universities and institutes, funded by the EC and the Ministry of Industry, Research and Technology of Greece.

Honours & Awards	01/01/1998-31/03/1999: Graduate Student Scholarship granted by the National Technical University of Athens, in support of the completion of a doctoral dissertation.
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Awards of the “Thomaidion” Faculty (for the years 2000, 2001, and 2003) for publications in International Journals.

International Schools "HTc Superconductivity 1996: Ten years after the discovery", ASI-NATO School, Delft, 19-31 August 1996.

Languages Greek (native), English

Technical Skills During my PhD thesis and of my participation in the above mentioned research projects, I gained:

- experience in the operation of a triple (equipped with a CCD detector and a microscope) and double (photomultiplier) optical spectrometer as well as spectrometers with Fourier transformation (FT-Raman), which were suitable for conducting high-quality Raman measurements,
- experience in operating spectrometers suitable for conducting high-quality measurements in the infrared region (IR and FT-IR),
- experience in the operation of a scanning electron microscopy (SEM),
- experience in conducting crystallographic measurements with high-quality radiation beam of synchrotron,

and related devices such as

- (a) high vacuum pumps,
- (b) liquid nitrogen and helium cryostats,
- (c) ion lasers,
- (d) diamond anvil cells,

necessary for the development of appropriate experimental setups for conducting measurements in extreme conditions, ie at temperatures as low as 5 K (= -268°C) and high hydrostatic pressures up to 110 Kbar (= 110000 atm), in micrometer scale.

Use of PC software: Word, Grapher, Origin for Windows, Power Point, Latex, ACAD (limited use).

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Programming experience: FORTRAN.

Experience in the financial management of the above mentioned research projects.

Publications: 89 (41 in National/International Conferences + 48 in International Scientific Journals)

A detailed list of publications follows below.

A. Δημοσιεύσεις σε Πανελλήνια/Διεθνή Συνέδρια

με αστερίσκο (*) υποδηλώνεται η συμμετοχή-φυσική παρουσία μου στο αντίστοιχο συνέδριο

**Περίληψεις
εργασιών σε
Πρακτικά
Ελληνικών
Συνεδρίων**

- A1) *Φασματοσκοπική μελέτη Raman σε χαμηλές θερμοκρασίες του υπεραγωγού $YBa_2Cu_3O_x$ ($6.44 \leq x \leq 6.98$)*, 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.
- A2) *Επίδραση των τάσεων του υποστρώματος στις ιδιότητες του λεπτού υμενίου $Pr_{0.5}Ca_{0.5}MnO_3$* , Α. Τάτση, Ε. Παπαδοπούλου, Δ. Λαμπάκης, Ε. Λιαροκάπης, W. Prellier, IH' Πανελλήνιο Συνέδριο Φυσικής Στερεάς Κατάστασης, Ηράκλειο, 15-18 Σεπτεμβρίου, 2002. (*)
- A3) *Φασματική μελέτη micro-Raman της ένωσης $La_{2-x}Sr_xCuO_4$ σε χαμηλές θερμοκρασίες (10-295K)*, Δ. Λαμπάκης, Α. Τάτση, Ε. Λιαροκάπης, C. Panagopoulos και J.R. Cooper, IH' Πανελλήνιο Συνέδριο Φυσικής Στερεάς Κατάστασης, Ηράκλειο, 15-18 Σεπτεμβρίου, 2002. (*)
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Δημοσιεύσεις
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- 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. (*)
- 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. (*)
- 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. (*)
- 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 κραμάτων τους*, Α. Τάτση, Δ. Λαμπάκης, Ε. Λιαροκάπης, S.A. Lopez και W. Giritat, ΙΖ' Πανελλήνιο Συνέδριο Φυσικής Στερεάς Κατάστασης, Ξάνθη, 6-9 Σεπτεμβρίου, 2001.
- 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.
- A9) *Επίδραση της αντικατάστασης του Sr στα φάσματα Raman του υπεραγωγού $Y(Ba_{1-x}Sr_x)_2Cu_4O_8$ ($0 \leq x \leq 0.3$)*, D. Palles, D. Lampakis, E. Liarokapis, S. M. Kazakov, and J. Karpinski, XXI ΠΣΣΥ, Λευκωσία, 28-31 Αυγούστου, 2005. (*)
- A10) *Μελέτη Raman φαινομένων διαχωρισμού φάσεων και ενδοεπιφανειακών τάσεων λεπτών υμενίων $Pr_{0.5}Ca_{0.5}MnO_3$* , Α. Antonakos, D. Palles, D. Lampakis, E. Liarokapis, W. Prellier, και B. Mersey, XXI ΠΣΣΥ, Λευκωσία, 28-31 Αυγούστου, 2005. (*)

**Δημοσιεύσεις
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(συνέχεια από
την προηγούμενη
σελίδα)

- A11) **Φασματοσκοπική μελέτη μικρο-Raman του ισχυρά συσχετισμένου ηλεκτρονικού συστήματος URu_2Si_2 σε χαμηλές θερμοκρασίες και υψηλές υδροστατικές πιέσεις**, Δ. Λαμπάκης, Δ. Παλλές, Ε. Λιαροκάπης και J. A. Mydosh, XXI ΠΣΣΥ, Λευκωσία, 28-31 Αυγούστου, 2005. (*)
- A12) **Φασματοσκοπική μελέτη μικρο-Raman του υπεραγωγού $Mg(B_{1-x}C_x)_2$ ($0 \leq x \leq 0.15$)**, Ε. Λιαροκάπης, Δ. Λαμπάκης, Δ. Παλλές, Π. Παρισιάδης, S.M. Kazakon και J. Karpinski, XXI ΠΣΣΥ, Λευκωσία, 28-31 Αυγούστου, 2005. (*)
- A13) **Αναρμονικότητα των τρόπων ταλάντωσης του $La_{2-x}Sr_xCuO_4$ ($x=0.0$ και 0.015)**, Δ. Λαμπάκης, Ε. Σιρανίδη, Ε. Λιαροκάπης, Χ. Παναγόπουλος και Κ. Conder, XXII Πανελλήνιο Συνέδριο Φυσικής Στερεάς Κατάστασης και Επιστήμης Υλικών, Πάτρα, 24-27 Σεπτεμβρίου, 2006. (*)
- A14) **Απώλεια υπεραγωγιμότητας στο $Y_{1-x}Pr_xBa_2Cu_3O_{7-\delta}$** , Ε. Σιρανίδη, Δ. Παλλές, Δ. Λαμπάκης, Ε. Λιαροκάπης, Α. Γαντής και Μ. Καλαμιώτου, XXII Πανελλήνιο Συνέδριο Φυσικής Στερεάς Κατάστασης και Επιστήμης Υλικών, Πάτρα, 24-27 Σεπτεμβρίου, 2006. (*)
- A15) **Φασματοσκοπική μελέτη Raman του υπεραγωγού $Mg_{1-x}Al_x^{10,11}B_2$** , Π. Παρισιάδης, Δ. Λαμπάκης, Δ. Παλλές, Ε. Λιαροκάπης, L. Simonelli και A. Bianconi, XXII Πανελλήνιο Συνέδριο Φυσικής Στερεάς Κατάστασης και Επιστήμης Υλικών, Πάτρα, 24-27 Σεπτεμβρίου, 2006. (*)
- A16) **Φασματοσκοπική μελέτη Raman συστημάτων ισχυρά συσχετισμένων φορέων**, Δ. Λαμπάκης, Δ. Παλλές και Ε. Λιαροκάπης, ΠΥΘΑΓΟΡΑΣ, Ημερίδες για την προβολή της επιστημονικής έρευνας στο Εθνικό Μετσόβιο Πολυτεχνείο, Πλωμάρι Λέσβου, 5-8 Ιουλίου, 2007. (*)
- A17) **Raman Study of β - $Sr_{0.33}V_2O_5$ Micro-Crystals under Variable Temperature and Pressure**, A.G. Kontos, D. Lampakis, Y.S. Raptis, E. Liarokapis, Z.V. Popović, M. Isobe, and Y. Ueda, XXIII Πανελλήνιο Συνέδριο Φυσικής Στερεάς Κατάστασης και Επιστήμης Υλικών, Αθήνα, 23-26 Σεπτεμβρίου, 2007.

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Ελληνικών
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(συνέχεια από
την προηγούμενη
σελίδα)

A18) *Παραβίαση της Συμμετρίας Αντιστροφής στις Υπεραγώγιμες Συγκεντρώσεις του LSCO*, Ε. Σιρανίδη, Δ. Λαμπάκης, Ε. Λιαροκάπης, Χ. Παναγόπουλος και Κ. Conder, XXIII Πανελλήνιο Συνέδριο Φυσικής Στερεάς Κατάστασης και Επιστήμης Υλικών, Αθήνα, 23-26 Σεπτεμβρίου, 2007.

Περίληψεις
εργασιών σε
Πρακτικά Διεθνών
Συνεδρίων

- A19) *Low temperature Raman study of the $YBa_2Cu_3O_x$ superconductor ($6.913 \leq x \leq 6.97$)*, D. Palles, D. Lampakis, N. Poulakis, K. Conder, E. Kaldis and E. Liarokapis, EPS 16th GCCMD, Leuven (Belgium), 1997.
- A20) *Micro-Raman study of the $Y_{1-x}La_xBa_2Cu_3O_{7-\delta}$ superconducting compounds*, D. Palles, D. Lampakis, A. Gantis, M. Calamiotou, E. Liarokapis, EPS 17th GCCMD, p.35, Grenoble (France), 1998. (*)
- A21) *Strontium-concentration dependence of the Raman spectra in $La_{2-x}Sr_xCuO_4$* , D. Lampakis, D. Palles, N. Poulakis, E. Liarokapis, C. Panagopoulos, and J.R. Cooper, EPS 17th GCCMD, p.36, Grenoble (France), 1998. (*)
- A22) *Raman study under hydrostatic pressure of the heavy fermion system URu_2Si_2* , D. Lampakis, E. Liarokapis, and J.A. Mydosh, Joint 19th AIRAPT-41st EHPRG, Bordeaux (France) July 7-11, 2003. (*)
- A23) *Pressure dependence of Raman scattering in ZnF_2 single crystal: evidence for a phase transition from tetragonal to orthorhombic structure*, A Perakis, D. Lampakis, Y.C. Boulmetis, and C. Raptis, Joint 19th AIRAPT-41st EHPRG, Bordeaux (France) July 7-11, 2003. (*)
- A24) *Pressure induced insulator-metal transition on $Pr_{0.6}Ca_{0.4}CuO_3$ thin films*, A. Antonakos, D. Lampakis, E. Liarokapis, W. Prellier, and B. Mercey, First CoMePhS Workshop on PHASE SEPARATION IN ELECTRONIC SYSTEMS, Aghia Pelagia, Crete (Greece), October 29 – November 4, 2006.
- A25) *Abnormal isotopic shift for the broad band in $Mg_{1-x}Al_x^{10,11}B_2$ superconductor*, P. Parisiades, D. Lampakis, D. Palles, E. Liarokapis, L. Simonelli, and A. Bianconi, First CoMePhS Workshop on PHASE SEPARATION IN ELECTRONIC SYSTEMS, Aghia Pelagia, Crete (Greece), October 29 – November 4, 2006.
- A26) *The relation of the broad band with the E_{2g} phonon and superconductivity in the $Mg(B_{1-x}C_x)_2$ compound*, P. Parisiades, D. Lampakis, D. Palles, E. Liarokapis, N.D. Zhidalgo, and J. Karpinski, First CoMePhS Workshop on PHASE SEPARATION IN ELECTRONIC SYSTEMS, Aghia Pelagia, Crete (Greece), October 29 – November 4, 2006.

Περιλήψεις
εργασιών σε
Πρακτικά Διεθνών
Συνεδρίων
(συνέχεια από την
προηγούμενη
σελίδα)

- A27) *Nanoscale phase separation in $Al_{1-y}Mg_yB_2$ at the transition from a single band to a two band graphite-like metal by tuning the chemical potential*, L. Simonelli, M. Filippi, M. Fratini, Y. Busby, V. Palmisano, N.L. Saini, A. Bianconi, E. Liarokapis, and D. Lampakis, First CoMePhS Workshop on PHASE SEPARATION IN ELECTRONIC SYSTEMS, Aghia Pelagia, Crete (Greece), October 29 – November 4, 2006.
- A28) *Oxygen isotope effect on the Raman spectra of $La_{2-x}Sr_xCuO_4$* , E. Siranidi, D. Lampakis, E. Liarokapis, K. Conder, and C. Panagopoulos, First CoMePhS Workshop on PHASE SEPARATION IN ELECTRONIC SYSTEMS, Aghia Pelagia, Crete (Greece), October 29 – November 4, 2006.
- A29) *The effect of B isotopic substitution on the modes of $Mg_{1-x}Al_x^{(10,11)}B_2$* , P. Parisiadis, D. Lampakis, D. Palles, E. Liarokapis, L. Simonelli, A. Bianconi, EU PROJECT COMEPHS (Controlling Mesoscopic Phase separation), Paris (Γαλλία), 17-19 Ιουνίου, 2006.
- A30) *Raman study of β - $Sr_{0.33}V_2O_5$ micro-crystals under high pressure*, A. G. Kontos, D. Lampakis, Y. S. Raptis, E. Liarokapis, Z. V. Popović, M. Isobe, and Y. Ueda, 12th International Conference on High Pressure Semiconductor Physics, Barcelona (Spain) 2007.
- A31) *Pressure induced insulator-metal phase transition on $Pr_{0.6}Ca_{0.4}MnO_3$ thin films*, D. Lampakis, A. Antonakos, E. Liarokapis, W. Prellier, and B. Mercey, Joint 21st AIRAPT and 45th EHPRG International Conference on High Pressure Science and Technology, Catania (Italy), September 17-21, 2007. (*)
- A32) *A high pressure Raman study of ZnF_2 : observation of a second order phase transition from rutile-to $CaCl_2$ -type structure*, A. Perakis, D. Lampakis, Y.C. Boulmetis, and C. Raptis, Joint 21st AIRAPT and 45th EHPRG International Conference on High Pressure Science and Technology, Catania (Italy), September 17-21, 2007. (*)
- A33) *Raman studies in manganite thin films*, A. Antonakos, D. Lampakis, E. Liarokapis, G.H. Aydogdu, H.-U. Habermeier, M. Filippi, W. Prellier, P. Auban-Senzier, and C. Pasquier, EU PROJECT COMEPHS (Controlling Mesoscopic Phase separation), Roma (Ιταλία), 9-11 Απριλίου, 2008.
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**Περιλήψεις
εργασιών σε
Πρακτικά Διεθνών
Συνεδρίων**

(συνέχεια από την
προηγούμενη
σελίδα)

- A34) *Investigation of the phase transitions of the SmVO₃ compound by Raman spectroscopy*, D. Lampakis, E. Siranidi, D. Palles, E. Liarokapis, and T.T.M Palstra, 46th EHPRG International Conference, Valencia (Spain), 7-12 September 2008. (*)

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- Δημοσιεύσεις
σε τόμους
Πρακτικών
Διεθνών
Συνεδρίων**
- A35) *Structural, Magnetic, and Raman spectroscopy studies in the $La_{1-x}Ca_xMnO_3$ system*, Th. Leventouri, J.J. Neumeier, D.H. Goodwin, E. Liarokapis, and D. Lampakis, 9th CIMTEC-World Forum on New Materials, Firenze (Italy), (1998).
- A36) *Raman study of x-y anisotropy in twin-free domains of YBCO single crystal*, D. Lampakis, N. Poulakis, E. Liarokapis, C. Panagopoulos, T. Nishizaki, T. Naito, and N. Kobayasi, XVIth ICORS, Cape Town (South Africa), (1998), 660.
- A37) *Phonon characteristics of protonated waveguides in $LiTaO_3$* , I. Savatinova, I. Savona, S. Tonchev, E. Liarokapis, D. Lampakis, and M.N. Armenise, 9th ECIO, Torino (Italy), (1999) 139.
- A38) *Electrical parameters in highly doped strained n- $Si_{1-x}Ge_x$ epilayers grown on Si substrates*, D. Tsamakis, Ch. Sargentis, A.Yu. Kusnetsov, and D. Lampakis, 2003 International Semiconductor Device research symposium (ISDRS), Maryland, December 2003.
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B. Δημοσιεύσεις σε έγκριτα Διεθνή Επιστημονικά Περιοδικά

- B1) *Low temperature Raman study of the $YBa_2Cu_3O_x$ ($6.44 \leq x \leq 6.98$) superconductor*, D. Palles, D. Lampakis, N. Poulakis, K. Conder, E. Kaldis, and E. Liarokapis, *Physica C*, **282-287** (1997) 1051.
- B2) *Phase separation and internal strains in the mixed $La_{0.5}R_{0.5}Ba_2Cu_3O_y$ compounds (R=rare-earth element)*, M. Calamiotou, A. Gantis, D. Palles, D. Lampakis, E. Liarokapis, and A. Koufoudakis, *Phys. Rev. B* **58** (1998) 15238.
- B3) *Re-induced Raman active modes in $HgBa_2Ca_{n-1}Cu_nO_{y2n+2+\delta}$ compounds*, N. Poulakis, D. Lampakis, E. Liarokapis, Akira Yoshikawa, Jun-ich Shimoyama, Kohji Kishio, G. B. Peacock, J. P. Hodges, I. Gameson, P. P. Edwards, and C. Panagopoulos, *Phys. Rev. B* **60**, (1999) 3244.
- B4) *Local lattice distortions and Raman spectra in the $La_{1-x}Ca_xMnO_3$ system*, E. Liarokapis, Th. Leventouri, D. Lampakis, D. Palles, J.J. Neumeier, D.H. Goodwin, *Phys. Rev. B* **60**, (1999) 12758.
- B5) *Raman studies of the high pressure effects in high T_c superconductors*, E. Liarokapis, D. Lampakis, T. Nishizaki, and C. Panagopoulos, *High Pressure Research*, **18**, (2000) 109.
- B6) *Phase Separation in Ca substituted YBCO*, D. Palles, D. Lampakis, G. Böttger, E. Liarokapis, and E. Kaldis, *Physica C* **341-348**, (2000) 2149.
- B7) *Phase transitions and Raman spectra correlations in $La_{2-x}Sr_xCuO_4$ ($0.0 \leq x \leq 0.45$)*, D. Lampakis, D. Palles, E. Liarokapis, C. Panagopoulos, J.R. Cooper, H. Ehrenberg, and T. Hartmann, *Phys. Rev. B*, **62**, (2000) 8811.
- B8) *Pressure effects in the Raman spectra of $La_{2-x}Sr_xCuO_4$* , D. Lampakis, E. Liarokapis, V. Lykodimos, and C. Panagopoulos, *High Pressure Research*, **22**, (2002) 83.
- B9) *Pressure effects in phonon modes and structure of $A^{II}B_2^{III}C_4^{IV}$ compounds and combinations*, A. Tatsi, D. Lampakis, E. Liarokapis, S.A. Lopez, L. Martinez, and W. Giritat, *High Pressure Research*, **22**, (2002) 89.
- B10) *High pressure Raman study of Bi-2212*, E. Liarokapis, D. Lampakis, C. Panagopoulos, and T.

Nishizaki, *High Pressure Research*, **23**, (2003) 111.

- B11) ***High Pressure Raman Study of Y-124***, D. Lampakis, A. Tatsi, E. Liarokapis, and J. Karpinski, *High Pressure Research*, **23**, (2003) 123.
- B12) ***Raman study of anharmonic effects on Pr_{0.5}Ca_{0.5}MnO₃ thin films***, A. Tatsi, E. Papadopoulou, D. Lampakis, D. Palles, E. Liarokapis, W. Prellier, and B. Mersey, *Phys. Rev. B* **68**, 024432 (2003).
- B13) ***Phase formation and lattice strain in the Y_{1-x}La_xBa₂Cu₃O_y (0 ≤ x ≤ 1) superconducting compound***, A. Gantis, M. Calamiotou, D. Palles, D. Lampakis, and E. Liarokapis, *Phys. Rev. B* **68**, 064502 (2003).
- B14) ***Site-selective oxygen isotope effect on the magnetic-field penetration depth in underdoped Y_{0.6}Pr_{0.4}Ba₂Cu₃O_{7-δ}***, R. Khasanov, A. Shengelaya, E. Morezoni, M. Angst, K. Conder, I.M. Savić, D. Lampakis, A. Tatsi, E. Liarokapis, and H. Keller, *Phys. Rev. B* **68**, 220506 (Rapid Communication 2003).
- B15) ***Local Structural distortions and Phase separation in Cuprates***, D. Lampakis, E. Liarokapis, J. Karpinski, C. Panagopoulos, and T. Nishizaki, *Journal of Superconductivity* **17**, 121 (2004).
- B16) ***Raman study in Pr_{0.5}Ca_{0.5}MnO₃ thin films***, A. Tatsi, E.L. Papadopoulou, D. Lampakis, E. Liarokapis, W. Prellier, and B. Mersey, *Acta Physica Polonica A*, **105**, 99 (2004).
- B17) ***Electrical parameters in highly doped strained n-Si_{1-x}Ge_x epilayers grown on Si substrates***, D. Tsamakis, C. Sargentis, A.Y. Kuznetsov, and D. Lampakis, *Solid-State Electronics*, 2095 (2004).
- B18) ***Phase separation in fully oxygenated Y_{1-y}Ca_yBa₂Cu₃O_x compounds***, E. Liarokapis, D. Palles, D. Lampakis, G. Bottger, K. Conder, E. Kaldis, *Phys. Rev. B*, **71**, 014303 (2005).
- B19) Το παραπάνω άρθρο επελέγη προς δημοσίευση και στην έκδοση του Φεβρουαρίου 2005 του εικονικού περιοδικού *Virtual Journal of Applications of Superconductivity* (<http://www.vjsuper.org>, εκδ. AIP & APS σε συνεργασία με άλλες ενώσεις & εκδότες) ως αντιπροσωπευτική πρωτοποριακής έρευνας.

- B20) *Phase composition of proton-exchanged waveguides in LiNbO₃: A spectroscopic study*, M. Kuneva, S. Tonchev, E. Thatsi, D. Lampakis, *Journal of Optoelectronics and Advanced Materials* **7**, 549 (2005).
- B21) *Hydrostatic pressure induced phase separation in the YBa₂Cu₄O₈ superconductor*, D. Lampakis, D. Palles, E. Liarokapis, S.M.Kazakov, and J. Karpinski, *Phys. Rev. B* **72**, 014539 (2005).
- B22) *Morphology controlled solvothermal synthesis of copper indium sulphide powder and its characterization*, S. Gorai, S. Bhattacharya, E. Liarokapis, D. Lampakis, and S. Chaudhuri, *Materials Letters* **59**, 3535 (2005).
- B23) *High-pressure Raman study of the ferroelastic rutile-to-CaCl₂ phase transition in ZnF₂*, A. Perakis, D. Lampakis, Y.C. Boulmetis, and C. Raptis, *Phys. Rev. B* **72**, 144108 (2005).
- B24) *Raman study of the heavy fermion system URu₂Si₂ at low temperatures and high hydrostatic pressures*, D. Lampakis, D.Palles, E. Liarokapis, J.A. Mydosh, *Physica B* **378-380**, 578 (2005).
- B25) *Micro-Raman evidence for topological charge order across the superconducting dome of La_{2-x}Sr_xCuO₄*, D. Lampakis, E. Liarokapis, and C. Panagopoulos, *Phys. Rev. B* **73**, 174518 (2006).
- B26) *A Raman view of local lattice distortions and charge transfer in cuprates*, E. Liarokapis, D. Lampakis, D. Palles, J.Karpinski, and C. Panagopoulos, *J. Phys. Chem. Solids* **67**, 2065 (2006).
- B27) *Raman study of β-Sr_{0.33}V₂O₅ micro-crystals under high pressure*, A. G. Kontos, D. Lampakis, Z. V. Popović, Y. S. Raptis, E. Liarokapis, M. Isobe, and Y. Ueda, *Phys. Stat. Sol. B* **244**, 362–367 (2007) (*Η εργασία αυτή αποτέλεσε και το εξώφυλλο του συγκεκριμένου τεύχους του περιοδικού*).
- B28) *Anharmonicity and weak mode assignment in La_{2-x}Sr_xCuO₄ with oxygen isotopic substitution*, E. Siranidi, D. Lampakis, D. Palles, E. Liarokapis, and K. Conder, *Acta Physica Polonica A* **111**, 173 (2007).
- B29) *The relation of the broad band with the E_{2g} phonon and superconductivity in the*

- Mg(B_{1-x}C_x)₂ compound***, P. Parisiades, D. Lampakis, D. Palles, E. Liarokapis, and J. Karpinski, *Journal of Magnetism and Magnetic Materials* **310**, e110-e112 (2007).
- B30) ***Low temperature micro-Raman measurements under magnetic field of Pr_{1-x}Ca_xMnO₃ thin films***, A. Antonakos, D. Lampakis, D. Palles, E. Liarokapis, W. Prellier, and B. Mercey, *Journal of Magnetism and Magnetic Materials* **310**, 2164 (2007).
- B31) ***Micro-Raman evidence for charge ordering in superconducting La_{2-x}Sr_xCuO₄***, D. Lampakis, D. Palles, E. Liarokapis and C. Panagopoulos, *Physica C* **460-462**, p. 1174, 2007.
- B32) ***Texture, strains, and superconductivity in Y_{1-x}Pr_xBa₂Cu₃O_{7-δ}***, D. Palles, D. Lampakis, E. Siranidi, E. Liarokapis, A. Gantis, and M. Calamiotou, *Physica C*, **460-462**, p. 922, 2007.
- B33) ***Abnormal isotopic shift of the broad band in the Mg_{1-x}Al_x^{10, 11}B₂ superconductor***, P. Parisiades, D. Lampakis, D. Palles, E. Liarokapis, L. Simonelli, and A. Bianconi, *Physica C*, **460-462**, p. 612, 2007.
- B34) ***Pressure induced insulator-metal phase transition on Pr_{0.6}Ca_{0.4}MnO₃ thin films***, D. Lampakis, A. Antonakos, E. Liarokapis, M. Filippi, and W. Prellier, *J. Phys.: Conf. Ser.*, **121**, n. 052002, 2008.
- B35) ***Raman spectroscopic evidence of lattice effects across the phase diagram of La_{2-x}Sr_xCuO₄***, E. Liarokapis, E. Siranidi, D. Lampakis, K. Conder, and C. Panagopoulos, *Journal of Physics: Conference Series*, **108**, n. 012023, 2008, ([doi:10.1088/1742-6596/108/1/012023](https://doi.org/10.1088/1742-6596/108/1/012023)) (Also presented in ‘International Symposium on Lattice Effects in Cuprate High temperatures Superconductors’, Tsukuba (Japan), October 31 – November 3, 2007).
- B36) ***Hydrostatic pressure induced lattice effects in La_{2-x}Sr_xCuO₄***, D. Lampakis, E. Siranidi, E. Liarokapis, and C. Panagopoulos, *Journal of Physics: Conference Series*, **108**, n. 012024, 2008, ([doi:10.1088/1742-6596/108/1/012024](https://doi.org/10.1088/1742-6596/108/1/012024)) (also presented in ‘International Symposium on Lattice Effects in Cuprate High temperatures Superconductors’, Tsukuba (Japan), October 31 – November 3, 2007).
- B37) ***Raman Studies of Vanadates at Low Temperatures and High Pressures***, E. Siranidi, D. Lampakis, D. Palles, E. Liarokapis, C. Colin, and T.T.M. Palstra, *Journal of Superconductivity and Novel Magnetism*, **22**, p. 185-188, 2009, DOI 10.1007/s10948-008-0401-5.

- B38) *Two-mode behavior for the E_{2g} broad band in $Mg(B_{1-x}C_x)_2$* , P. Parisiades, D. Lampakis, D. Palles, E. Liarokapis, N.D.Zhigadlo, S. Katrych, and J. Karpinski, *Physica C* **468** (2008) 1064–1069.
- B39) *Lattice effects in the $La_{2-x}Sr_xCuO_4$ compounds*, E. Liarokapis, E. Siranidi, D. Lampakis, K. Conder and C. Panagopoulos, *J. Phys.: Condens. Matter* **20** (2008) n. 434233.
- B40) *Phase separation in manganite thin films*, A. Antonakos, D. Lampakis, E. Liarokapis, M. Filippi, W. Prellier, G.H. Aydogdu, and H-U. Habermeier, *J. Phys.: Condens. Matter* **20** (2008) n. 434232.
- B41) *Pressure effects on the phase separation of $Pr_{0.6}Ca_{0.4}MnO_3$ thin films*, A. Antonakos, D. Lampakis, E. Liarokapis, M. Filippi, W. Prellier, P. Auban-Senzier, and C. Pasquier, *J. Phys.: Condens. Matter* **20** (2008) n. 485202.
- B42) *Pressure and magnetic field effects on $Pr_{1-x}Ca_xMnO_3$ thin films*, A. Antonakos, M. Filippi, P. Auban-Senzier, D. Lampakis, C. R. Pasquier, W. Prellier, and E. Liarokapis, *Physica Status Solidi B* **246** (2009) 622 (DOI 10.1002/pssb.200880539).
- B43) *Pressure induced phase separation in the Y123 superconductor*, M. Calamiotou, A. Gantis, D. Lampakis, E. Siranidi, E. Liarokapis, I. Margiolaki, and K. Conder, *Europhys. Lett.* **85** (2009) n. 26004.
- B44) *Doping and temperature dependence of inversion symmetry breaking in $La_{2-x}Sr_xCuO_4$* , E. Siranidi, D. Lampakis, E. Liarokapis, K. Conder and C. Panagopoulos, *Physica C* **469** (2009) 760.
- B45) *Isotope effect on the E_{2g} phonon and mesoscopic phase separation near the electronic topological transition in $Mg_{1-x}Al_xB_2$* , L. Simonelli, V. Palmisano, M. Fratini, M. Filippi, P. Parisiades, D. Lampakis, E. Liarokapis, and A. Bianconi, *Physical Review B* **80** (2009) n. 014520.
- B46) *Micro-Raman and infrared study of $NdFeAsO_{0.85}$* , E. Siranidi, D. Lampakis, E. Liarokapis, Z. Dohcevic-Mitrovic, N. Paunovic, Z.V. Popovic, Z.X. Zhao, *Journal of Alloys and Compounds* **487** (2009), pp. 430-433.
-

- B47) *Pressure- induced lattice instabilities and superconductivity in $YBa_2Cu_4O_8$ and optimally doped $YBa_2Cu_3O_{7-\delta}$* , M. Calamiotou, A. Gantis, E. Siranidi, D. Lampakis, J. Karpinski, and E. Liarokapis, *Physical Review B* **80** (2009) n. 214517.
- B48) *Pressure induced lattice instability and phase separation in the cuprates*, E. Liarokapis, D. Lampakis, E. Siranidi, and M. Calamiotou, *Journal of Physics and Chemistry of Solids*, **71** (2010) 1084–1087.
-

Citations: >135