

Dimitrios PALLES

PUBLICATIONS – OCTOBER 2013

A. HONORS THESIS

“Kaon identification in ‘Odysseus’ Cerenkov detector with data from the NA14/2 experiment at CERN”, Department of Physics, National Technical University of Athens, Greece (1988).

B. DOCTORATE THESIS

“Micro-Raman study of the phase separation mechanism in $\text{RBa}_2\text{Cu}_3\text{O}_x$ in the temperature range 5-300K”, Department of Physics, School of Applied Sciences, National Technical University of Athens (NTUA) (“Ethniko Metsovio Polytechnio”), Athens, Greece (2000).

C. PAPERS IN REFEREED JOURNALS

1. “Changes induced in the Raman spectra of $\text{SmBa}_{2-x}\text{Sr}_x\text{Cu}_3\text{O}_y$ the redistribution of carriers and the orthorhombic-to-tetragonal phase transtition”, N. Poulakis, D. Palles, C. Mitros, A. Koufoudakis, D. Niarchos, and E. Liarokapis, *Physica C* 235-240, 1177 (1994).
2. “The Ca substitution for Y and Ba in the $\text{YBa}_2\text{Cu}_3\text{O}_{7-y}$ superconductor: a Raman study”, D. Palles, N. Poulakis, Th. Leventouri, and E. Liarokapis, *Physica C* 235-240, 1179 (1994).
3. “Raman study of the oxygen vibrations in 123-superconductors”, E. Liarokapis, N. Poulakis, D. Palles, K. Conder, E. Kaldis, and K.A. Müller, *Physica B* 219-220, 139 (1996).
4. “Structural study, resistivity, magnetization and Raman measurements for the HTc superconducting compounds $\text{SmBa}_{2-x}\text{Sr}_x\text{Cu}_3\text{O}_{6+y}$ ($x=0.0, 0.25, 0.5, 0.75, 1.0$ and 1.25)”, V. Psycharis, C. Mitros, A. Koufoudakis, H. Gamari-Seale, D. Niarchos, N. Kalitsounakis, N.

- Poulakis, D. Palles and E. Liarokapis, *Physica C* 267, 211 (1996).
5. "Phase separation and softening of the $O_{2,3}$ in-phase mode in the $YBa_2Cu_3O_x$ superconductors", N. Poulakis, D. Palles, E. Liarokapis, K. Conder, E. Kaldis and K. A. Müller, *Phys. Rev. B* 53, Rapid Communications 534 (1996).
 6. "Raman study of the oxygen anharmonicity in the $YBa_2Cu_3O_x$ ($6.4 < x < 7.0$) superconductors", D. Palles, N. Poulakis, E. Liarokapis, K. Conder, E. Kaldis and K. A. Müller, *Phys. Rev. B* 54, 6721 (1996).
 7. "An IBA and Raman study of irradiated thin films of $YBa_2Cu_3O_7$ superconductor", R. Vlastou, E.N. Gazis, C.T. Papadopoulos, E. Liarokapis, D. Palles, S. Kossionidis, M. Kokkoris, M. Pilakouta, W. Assmann, and H. Huber, *Nucl. Instr. and Meth. B* 113, 253 (1996).
 8. "Raman spectroscopic study of the $La_{0.5}R_{0.5}Ba_2Cu_3O_y$ ($R=Y$, rare earth) superconductors", D. Palles, N. Poulakis, E. Liarokapis, A. Gantis, M. Calamiotou, A. Koufoudakis, *Superlatti. Microstruct.* 21, 329 (1997).
 9. "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, 1051 (1997).
 10. "XRD and micro-Raman characterization of epitaxial Bi-2201, Bi-2212, and Bi-2223 thin films", M. Holiastou, N. Poulakis, D. Palles, E. Liarokapis, D. Niarchos, U. Frey, and H. Adrian, *Physica C* 282-287, 583 (1997).
 11. "The effect of Ca substitution on the structure and the Raman active phonons in $Y_{1-x}Ca_xBa_2Cu_3O_{7-\delta}$ ", D. Palles, E. Liarokapis, Th. Leventouri, and B.C. Chakoumakos, *J. Phys.: Condens. Matter* 10, 2515 (1998).
 12. "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, 15238 (1998).

13. "On the nature of the laser irradiation induced reversible softening of phonon modes in C_{60} single crystals", K. P. Meletov, E. Liarokapis, J. Arvanitidis, K. Papagelis, D. Palles, G. A. Kourouklis, and S. Ves, Chem. Phys. Lett. 290, 125 (1998).
14. "Radiation damage of $YBa_2Cu_3O_7$ superconductors", R. Vlastou, E.N. Gazis, C.T. Papadopoulos, E. Liarocapis, D. Palles, N. Poulakis, S. Kossionides, M. Kokkoris, G. Kaliabakos, W. Assmann, P. Berbeich, Nucl. Instr. and Meth. B 136-138, 1286 (1998).
15. "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, 12758 (1999).
16. "The effect of processing and Ca concentration on the structure and Raman spectra in the CaYBCO system", Th. Leventouri, E. Liarokapis, D. Palles, and B.C. Chakoumakos, Adv. Sci. Technol. 23, 381 (1999).
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18. "Phase Separation in Ca substituted YBCO", D. Palles, D. Lampakis, G. Boettger, E. Liarokapis, and E. Kaldis, Physica C 341-348, 2149 (2000).
19. "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, 8811 (2000).
20. "The anharmonic behavior of the oxygen modes in $YBa_2Cu_3O_x$ compounds", E. Liarokapis, D. Palles, K. Conder, E. Kaldis, J. Raman Spectrosc. 32, 821 (2001).
21. "Low temperature phase transitions in a biphenyl-fullerene single crystal: a Raman study", D. Palles, A. Marucci, A. Pénicaud, and G. Ruani, J. Phys. Chem. B 107, 4904 (2003).

22. "Phase formation and lattice strain in the $Y_{1-x}La_xBa_2Cu_3O_y$ ($0 \leq x \leq 1$) superconducting compound", A. Gantis, M. Calamiotou, D. Palles, D. Lampakis, and E. Liarokapis, *Phys. Rev. B* 68, 064502 (2003).
23. "Solid state dye PV cells using opal inverse TiO_2 films", P.R. Somani, C. Dionigi, M. Murgia, D. Palles, P. Nozar, G. Ruani, *Solar Energy Materials and Solar Cells* 87, 513 (2005).
24. "Phase separation in fully oxygenated $Y_{1-y}Ca_yBa_2Cu_3O_x$ compounds", E. Liarokapis, D. Palles, D. Lampakis, G. Böttger, K. Conder, and E. Kaldis, *Phys. Rev. B* 71, 014303 (2005) – selected in Feb. 2005 edition of the Virtual Journal of Applications of Superconductivity (<http://www.vjsuper.org>, eds. AIP, APS et al.) as representative of frontier research.
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28. "Raman study of the heavy fermion system URu_2Si_2 at low temperatures and high hydrostatic pressures", D. Lampakis, D. Palles, E. Liarokapis, J.A. Mydosh, *Physica B* 378-380, 578 (2006).
29. "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).

30. "Low temperature micro-Raman measurements under magnetic field of $\text{Pr}_x\text{Ca}_{1-x}\text{MnO}_3$ thin films", A. Antonakos, D. Lampakis, D. Palles, E. Liarokapis, W. Prellier, B. Mercey, *J. Magn. Magn. Mater.* 310 (2), 2164 (2007).
31. "The relation of the broad band with the E_{2g} phonon and superconductivity in the $\text{Mg}(\text{B}_{1-x}\text{C}_x)_2$ compound", P. Parisiades, D. Lampakis, D. Palles, E. Liarokapis, and J. Karpinski, *J. Magn. Magn. Mater.* 310 (2), e110 (2007).
32. "Abnormal isotopic shift of the broad band in the $\text{Mg}_{1-x}\text{Al}_x^{10,11}\text{B}_2$ superconductor", P. Parisiades, D. Lampakis, D. Palles, E. Liarokapis, L. Simonelli, A. Bianconi, *Physica C* 460-462, 612 (2007).
33. "Texture, strains, and superconductivity in $\text{Y}_{1-x}\text{Pr}_x\text{Ba}_2\text{Cu}_3\text{O}_{6+y}$ ", Dimitrios Palles, Dimitrios Lampakis, Irini Siranidi, Efthymios Liarokapis, Anastasios Gantis, Maria Calamiotou, *Physica C* 460-462, 922 (2007).
34. "Micro-Raman evidence for charge ordering in superconducting $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ ", D. Lampakis, D. Palles, E. Liarokapis, C. Panagopoulos, *Physica C* 460-462, 1174 (2007).
35. "Anharmonicity and weak mode assignment in $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ with oxygen isotopic substitution", E. Siranidi, D. Lampakis, D. Palles, E. Liarokapis, K. Conder, *Acta Physica Polonica A* 111, 173 (2007).
36. "Two-mode behavior for the E_{2g} broad band in $\text{Mg}(\text{B}_{1-x}\text{C}_x)_2$ ", P. Parisiades, D. Lampakis, D. Palles, E. Liarokapis, N.D. Zhigadlo, S. Katrych and J. Karpinski, *Physica C* 468, 1064 (2008).
37. "Evaluation of the strains in charge-ordered $\text{Pr}_{1-x}\text{Ca}_x\text{MnO}_3$ thin films using Raman spectroscopy", A. Antonakos, D. Palles, E. Liarokapis, M. Filippi, and W. Prellier, *J. Appl. Phys.* 104, 063508 (2008).
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40. "Micro-Raman study of the spin and orbital ordering in SmVO_3 ", E. Siranidi, D. Lampakis, D. Palles, E. Liarokapis, and T.T.M. Palstra, *J. Phys.: Conference Series* 150, 042184 (2009).
41. "Protein immobilization and detection on laser processed polystyrene surfaces", E. Sarantopoulou, P. S. Petrou, Z. Kollia, D. Palles, N. Spyropoulos-Antonakakis, S. Kakabakos, A.C. Cefalas, *J. Appl. Phys.* 110, 064309 (2011).
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43. "Formation of an Outer Borosilicate Glass Layer on Blue Late Bronze Age Mycenaean Vitreous Relief Fragments", D. Möncke, D. Palles, N. Zacharias, M. Kaparou, E. I. Kamitsos, L. Wondraczek, *Phys. Chem. Glasses: Eur. J. Glass Sci. Technol. B* 54, 52 (2013).
44. "Structure–property correlations in highly modified Sr, Mn-borate glasses", A. Winterstein-Beckmann, D. Möncke, D. Palles, E.I. Kamitsos, L. Wondraczek, *J. Non-Cryst. Solids* 376, 165 (2013).
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D. PUBLICATIONS IN INTERNATIONAL CONFERENCE PROCEEDINGS

1. "A Refined Picture of the $\text{YBa}_2\text{Cu}_3\text{O}_x$ Structure: Sequence of Dimpling-Chain Superstructures, 1D-Modulation of the Planes, Phase Separation Phenomena", E. Kaldis, E. Liarokapis, N. Poulakis, D. Palles, K. Conder, "Stripes and Related Phenomena", Eds. A. Bianconi & N. Saini (Proceedings of the International Conference 'Stripes 1998', Rome, June 1998), Kluwer Academic / Plenum Publishers, New York, 2000, ISBN 0-306-47100-0, p.211-217.
2. "Raman Investigation of Charge-Doped C_{60} polymer formed in heavily intercalated $\text{Li}_{15}\text{C}_{60}$ fulleride", D. Palles, T. Shiroka, F. Barbieri, M. Riccò, and G. Ruani, "Electronic Properties of Molecular Nanostructures", Eds. H. Kuzmany, J. Fink, M. Mehring, and S. Roth (Proceedings of the XV International Winterschool on Electronic Properties of Novel Materials, Kirchberg, Tirol, Austria, March 2001), A.I.P. Conference Proceedings, vol. 591, 2001, ISBN 0-7354-0033-4, p.145-148.
3. "X-Ray and Raman scattering study of C_{60} -biphenyl single crystals", A. Marucci, P. Launois, R. Moret, D. Palles, G. Ruani and A. Pénicaud, "Electronic Properties of Molecular Nanostructures", Eds. H. Kuzmany, J. Fink, M. Mehring, and S. Roth (Proceedings of the XV International Winterschool on Electronic Properties of Novel Materials, Kirchberg, Tirol, Austria, March 2001), A.I.P. Conference Proceedings, vol. 591, 2001, ISBN 0-7354-0033-4, p.153-156.
4. "Structural and Electronic properties of Lithium doped Fullerides", M. Riccò, T. Shiroka, O. Ligabue, M. Belli, D. Pontiroli, G. Ruani, D. Palles and S. Margadonna, "Fullerenes and Nanotubes: The Building Blocks of Next Generation Nanodevices", Eds. D.M. Guldi, P.V. Kamat and F. D'Souza (Proceedings of the 203rd ECS meeting, Paris, April 27-May 2, 2003 "Fullerenes, Nanotubes, and Carbon Nanoclusters"), ElectroChemical Society (ECS) Publications, Fullerenes vol. 13, 2003, ISBN 1-56677-397-0, p. 463.
5. "New Polymeric Phase in Low-Doped Lithium Intercalated Fullerides", D. Pontiroli, M. Riccò, T. Shiroka, M. Belli, G. Ruani, D. Palles, S. Margadonna, "Fullerenes, Nanotubes and Carbon Nanoclusters" (Proceedings of the ECS meeting 2005), ElectroChemical Society (ECS), 2006, vol. 14 (2-3) 391-400, ISSN 1536-4046 (electr.), 1536-383X (paper) Taylor & Francis.

E. PUBLICATIONS IN NATIONAL CONFERENCE PROCEEDINGS (in Greek except one)

6. "Raman and XRD spectroscopic study of the $\text{SmBa}_{2-x}\text{Sr}_x\text{Cu}_3\text{O}_y$ compound, carrier redistribution and orthorhombic-to-tetragonal phase transition", N. Poulakis*, D. Palles, C. Mitros, V. Psycharis, A. Koufoudakis, E. Gamari, D. Niarchos, and E. Liarokapis, X Panhellenic Solid State Physics Conference, Delphi 1994.
7. "Anharmonicity of oxygen atom vibrations and isotope effect in the $\text{YBa}_2\text{Cu}_3^{16,18}\text{O}_x$ ($x=6.44-6.98$) superconductor", N. Poulakis, D. Palles*, K. Conder, E. Kaldis and E. Liarokapis, XI Panhellenic Solid State Physics Conference, Xanthi 1995, oral presentation.
8. "Raman spectroscopic study of the $\text{La}_{0.5}\text{RE}_{0.5}\text{Ba}_2\text{Cu}_3\text{O}_{7-\delta}$ (RE = Y, rare earth) superconductors", D. Palles*, N. Poulakis, A. Koufoudakis, A. Gantis and E. Liarokapis, XI Panhellenic Solid State Physics Conference, Xanthi 1995, oral presentation.
9. "Low temperature Raman spectroscopic study of the $\text{YBa}_2\text{Cu}_3\text{O}_y$ superconductor", D. Palles*, D. Lampakis, N. Poulakis, E. Liarokapis, K. Conder, and E. Kaldis, XII Panhellenic Solid State Physics Conference, Heraklion, Crete, 1996, oral presentation.
10. "Spectroscopic, structural and magnetic study of the $\text{La}_{0.5}\text{RE}_{0.5}\text{Ba}_2\text{Cu}_3\text{O}_{7-\delta}$ (RE = Y or rare earth) superconductors", A. Gantis, V. Likodimos, M. Calamiotou, N. Guskos, A. Koufoudakis, D. Palles*, N. Poulakis, E. Liarokapis, A. Nabialek, H. Szymczak, XII Panhellenic Solid State Physics Conference, Heraklion, Crete, 1996.
11. "Thin film study of the three members of the $\text{Bi}_2\text{Sr}_2\text{Ca}_{n-1}\text{Cu}_n\text{O}_{2(n+2)}$, $n=1,2,3$ superconducting series by X-rays and Raman spectroscopy", M. Holiastou*, V. Psycharis, D. Niarchos, N. Poulakis, D. Palles, E. Liarokapis, XII Panhellenic Solid State Physics Conference, Heraklion, Crete, 1996.
12. "Phase separation in $\text{Y}_{1-x}\text{Ca}_x\text{Ba}_2\text{Cu}_3\text{O}_y$ superconductors", D. Lampakis*, D. Palles, N. Poulakis, E. Liarokapis, G. Böttger, and E. Kaldis, XIII Panhellenic Solid State Physics Conference, Peraia, Thessaloniki, 1997.

13. "Study of the causes for the irradiation induced softening of the $A_g(2)$ vibrational mode of C_{60} ", K. Papagelis*, J. Arvanitidis, K. P. Meletov, E. Liarokapis, D. Palles, S. Ves, and G. A. Kourouklis, XIII Panhellenic Solid State Physics Conference, Peraia, Thessaloniki, 1997.
14. "Study of the Raman spectra of the superconducting materials $La_{2-x}Sr_xCuO_4$ as a function of the Sr concentration ($0.0 \leq x \leq 0.45$)", D. Lampakis*, D. Palles, N. Poulakis, E. Liarokapis, C. Panagopoulos, J.R. Cooper, XIV Panhellenic Solid State Physics Conference, Ioannina, 1998.
15. "High hydrostatic pressure Raman spectroscopic study of LSCO and YBCO superconductors", D. Lampakis*, D. Palles, E. Liarokapis, C. Panagopoulos, J.R. Cooper, T. Nishizaki, T. Naito, and N. Kobayashi, XV Panhellenic Solid State Physics Conference, Patras, 1999.
16. "Magnetic and Conductive Properties of Fullerene Polymers", M. Riccò, T. Shiroka, O. Ligabue, M. Belli, D. Pontiroli, G. Ruani, D. Palles, S. Margadonna, 89th National Conference, Italian Physicist Union (Società Italiana di Fisica), Parma, 17 - 22 September 2003.
17. "Charge-doped C_{60} monomer/polymer formation in Li_xC_{60} fullerenes probed by micro-Raman Spectroscopy", D. Palles*, G. Ruani, O. Ligabue, T. Shiroka, and M. Riccò, XIX Panhellenic Solid State Physics Conference, Thessaloniki, September 2003.
18. "Influence of Sr for Ba substitution in the Raman spectra of the $Y(Ba_{1-x}Sr_x)_2Cu_4O_8$ ($0 \leq x \leq 0.3$) superconductor", D. Palles*, D. Lampakis, E. Liarokapis, S. M. Kazakov, and J. Karpinski, XXI Panhellenic Condensed Matter Conference, Nicosia, Cyprus, August 2005, oral presentation.
19. "Raman study of phase separation phenomena and internal surface stress in $Pr_{0.5}Ca_{0.5}MnO_3$ thin films", A. Antonakos*, D. Palles, D. Lampakis, E. Liarokapis, W. Prellier, και B. Mercey, XXI Panhellenic Condensed Matter Conference, Nicosia, Cyprus, August 2005.

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21. "Micro-Raman spectroscopic study of the Mg(B_{1-x}C_x)₂ (0≤x≤0.15) superconductor", P. Parisiades*, E. Liarokapis, D. Lampakis, D. Palles, and J. Karpinski, XXI Panhellenic Condensed Matter Conference, Nicosia, Cyprus, August 2005.
22. "Loss of superconductivity in Y_{1-x}Pr_xBa₂Cu₃O_{7-δ}", E. Siranidi*, D. Lampakis, D. Palles, E. Liarokapis A. Gantis, M. Calamiotou, XXII Panhellenic Condensed Matter Conference, Patras, 24-27 September 2006.
23. "Synthesis of novel transition metal dithiolenes: synthesis, experimental and theoretical investigation", G. Soras*, N. Psaroudakis, M. J. Manos, A. J. Tasiopoulos, D.G. Liakos, G.A. Mousdis, D. Palles, XXV Panhellenic Conference on Solid State Physics and Materials Science; Thessaloniki, Greece, September 20-23, 2009 (oral).
24. "Synthesis, Structure, and Physical Properties of Some New Metal Dithiolene Complexes", A. Pitsas*, Ch. Minadakis, M.J. Manos, A.J. Tasiopoulos, N. Psaroudakis, D. Palles, G.C. Soras, and G.A. Mousdis, XXVIII Panhellenic Conference on Solid state physics and material science, Patras, Greece; October 23-26, 2012 (poster).
25. "Vibrational study of thermally ion-exchanged sodium borosilicate glasses", E. Stavrou*, D. Palles, E.I. Kamitsos, A. Lipovskii, D. Tagantsev, Y. Svirko, S. Honkanen, XXIX Panhellenic Conference on Solid State Physics and Materials Science; Athens, Greece, September 22-25, 2013 (oral).

F. INTERNATIONAL CONFERENCE PRESENTATIONS

26. "Low temperature Raman study of the oxygen modes in the YBa₂Cu₃O_{6+x} (0.44≤x≤0.98) superconductors", D. Palles, N. Poulakis, E. Liarokapis, K. Conder, and E. Kaldis,

European Physical Society (EPS) 15th General Conference of the Condensed Matter Division (GCCMD), Lago Maggiore, Italy, 1996.

27. "X-ray and Raman study of the $Y_{1-x}Ca_xBa_2Cu_3O_{7-\delta}$ ($x=0.00, 0.02, 0.05, 0.08$ and 0.12) superconductor", D. Palles, E. Liarokapis, Th. Leventouri, and B.C. Chakoumakos, ASI-NATO School "HTc Superconductivity 1996: Ten years after the discovery", Delphi 1996, + oral presentation.
28. "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.
29. "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, Grenoble, France, 1998.
30. "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, Grenoble, France, 1998.
31. "Raman study of charge-doped C_{60} monomer/polymer formation in Li_xC_{60} fullerenes", D. Palles*, G. Ruani, O. Ligabue, T. Shiroka, and M. Riccò, NanoteC02, Brighton, U.K., 28-31 August 2002.
32. "Structural and electronic properties of lithium intercalated fullerenes", Riccò, M., Shiroka, T., Pontiroli, D., Belli, M., Ruani, G., Palles, D., Margadonna, S., Tomaselli, M., Arcon, D., 207th Meeting of the Electrochemical Society; Quebec; 15 May 2005 through 20 May 2005; Code 66443, Meeting Abstracts 2005, p. 919.
33. "Raman study of local lattice distortions and charge redistribution in cuprates", D. Palles*, D. Lampakis, E. Liarokapis, J. Karpinski, and C. Panagopoulos, International Workshop on Nanoscale Fluctuations in Magnetic and Superconducting Systems (Nano05), Dresden, Germany, 10-14 May 2005.

34. "Oxygen isotope effect on the Raman spectra of $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ ", E. Siranidi*, D. Lampakis, D. Palles, E. Liarokapis, K. Conder, and C. Panagopoulos, First CoMePhS Workshop "PhSES 2006 – Phase Separation in Electronic Systems", Crete, Greece, 29 Oct. – 4 Nov. 2006.
35. "Controlling Mesoscopic Phase Separation", presentation of FP6 STREP project "CoMePhS" No 517039, EuroNanoForum 07, Düsseldorf, Germany, June 19-21, 2007. (poster presented by D. Palles)
36. "Thermal poling-induced nanostructuring in germanate glasses for optical second harmonic generation", G. Guimbretiere*, E.I. Kamitsos and D. Palles, 6th International Conference on Nanosciences and Nanotechnologies-NN09; Thessaloniki, Greece, July 13-15, 2009 (oral).
37. "Thermal poling induced amorphous-to-amorphous transition in germanate glasses", G. Guimbretiere*, E.I. Kamitsos and D. Palles, 6th Int'l Discussion Meeting on Relaxations in Complex Systems - 6IDMRCS; Univesrita di Roma "La Sapienza", Rome, Italy, August 30-September 4, 2009 (poster).
38. "Thermal poling-induced second harmonic generation in sodium niobium-germanate glasses", G. Guimbretiere*, E.I. Kamitsos and D. Palles, Emerging Trends and Novel Materials in Photonics; Delphi, Greece, October 7-9, 2009 (oral).
39. "Synthesis, structure, and physical properties of some new metal- diithiolene complexes", G. Soras , N. Psaroudakis, M.J. Manos, A. J. Tasiopoulos, D.G. Liakos, D. Palles, G.A. Mousdis*, COST D35 Workshop, "Dithiolenes and non-innocent redox-active ligands"; Vravrona-Attiki, Greece, June 18-19, 2009 (poster).
40. "Solution organization and non-linear optical properties of chromophore-containing copolymer/metal nanoparticles hybrid systems", G. Mountrichas*, D. Palles, S. Pispas, and E.I. Kamitsos, Fourth Int'l Conference on Micro-Nanoelectronics, Nanotechnology and MEMs (Micro-Nano 2010); Athens, Greece, December 12-15, 2010 (poster).
41. "Formation of an outer borosilicate glass layer on blue Late Bronze Age Mycenaean

- vitreous relief fragments”, D. Möncke*, D. Palles, N. Zacharias, M. Kaparou, E.I. Kamitsos, and L. Wondraczek, (a) 7th International Conference on Borate Glasses, Crystals, and Melts; Halifax, Nova Scotia, Canada, August 21-25, 2011 (poster). (b) International Conference on the Chemistry of Glasses and Glass-Forming Melts; University of Oxford, UK, September 4-8, 2011 (invited poster).
42. “Glass Structure of Historic Greek Samples from the Mycenaean to Roman Period probed by Infra Red and Raman Spectroscopy”, D. Möncke*, D. Palles, N. Zacharias, M. Papageorgiou, M. Kaparou, E.I. Kamitsos, L. Wondraczek, The 5th Balkan Conference on Glass Science & Technology – The 17th Conference on Glass and Ceramics, Nessebar, Bulgaria, 25-29 September, 2011. To be published in the Journal of the University of Chemical Technology and Metallurgy, Sofia, Bulgaria.
43. “Chemistry, Structural and Technological Examination of a Greek Glass Archaeological Collection Spanning from the Mycenaean to Roman Period probed by SEM/EDS, IR and Raman Spectroscopy”, D. Möncke*, D. Palles, N. Zacharias, M. Kaparou, M. Papageorgiou, E. I. Kamitsos, L. Wondraczek, A. Oikonomou, “History, Technology and Conservation of Ancient Metal, Glasses and Enamels” -International Symposium, Athens, Greece, November 16-19, 2011 (oral). To be published in a special volume.
44. “Coloring materials probed by spectroscopic techniques: Pigments, colloids, and ions in glasses and glazes ranging from the Mycenaean to medieval period”, D. Möncke*, D. Palles, E. Palamara, E.I. Kamitsos N. Zacharias, A. Oikonomou, M. Papageorgiou, M. Kaparou, S. Reibstein, and L. Wondraczek, 3rd Symposium on Archaeological Research and New Technologies, Kalamata, Greece; October 3-6, 2012 (oral).
45. “Contamination of phosphate glasses prepared from melts in alumina crucibles”, I. Konidakis, D. Palles*, E.I. Kamitsos, 23rd ICG conference, Prague, Czech Republic, July 1-5, 2013 (poster).
46. “Vibrational study of thermally ion-exchanged sodium borosilicate glasses”, E. Stavrou*, D. Palles, E.I. Kamitsos, A. Lipovskii, D. Tagantsev, Y. Svirko, S. Honkanen, 12th International Conference on the Structure of Non Crystalline Materials (NCM12), Riva del Garda, Italy, July 7-12, 2013 (poster).

47. "Indentation-induced densification in borosilicate glasses probed by micro-Raman and micro-Infrared spectroscopy", A. Winterstein-Beckmann*, D. Möncke, D. Palles, E.I. Kamitsos and L. Wondrazcek, 12th International Conference on the Structure of Non Crystalline Materials (NCM12), Riva del Garda, Italy, July 7-12, 2013 (poster).
48. "Fluorescing defect centres induced by indentation in sodium- borosilicate glasses probed by micro-Raman and EPR spectroscopy", A. Winterstein-Beckmann*, D. Möncke, D. Palles, E.I. Kamitsos and L. Wondrazcek, Society of Glass Technology 2013 conference, Murray Edwards College, Cambridge, UK, September 11-13, 2013 (oral).
49. "Creation of a borosilicate layer upon gilding of Mycenaean vitreous relief fragments vs. weathering-induced polymerization in Classic Hellenic vitreous samples - an experimental study", F. Drünert*, M. Kaparou, E. Palamara, D. Palles, D. Möncke, E.I. Kamitsos, N. Zacharias, Society of Glass Technology 2013 conference, Murray Edwards College, Cambridge, UK, September 11-13, 2013 (oral).
50. "Investigation of Second Harmonic Generation and related near-surface structural modifications in thermal-electric-field poled sodium-calcium silicate bioactive glasses", D. Palles*, E. Kamitsos, M. Dussauze, V. Rodriguez, C.R. Mariappan, B. Roling, 6th Finnish-Russian Photonics and Lasers Symposium (PALS'13), Kuopio, Finland, October 3-5, 2013 (poster).
51. "Vibrational study of thermally ion-exchanged sodium aluminoborosilicate glasses", E. Stavrou*, D. Palles, E.I. Kamitsos, A. Lipovskii, D. Tagantsev, Y. Svirko, S. Honkanen, 6th Finnish-Russian Photonics and Lasers Symposium (PALS'13), Kuopio, Finland, October 3-5, 2013 (poster).

G. OTHER ORAL PRESENTATIONS & INVITED TALKS

1. "Raman spectroscopic study of phase separation in the YBCO series HTSC", ISMN-CNR seminar, Bologna, July 2000.
2. "Raman investigation of Li heavily intercalated C₆₀ compounds", TMR 'FULPROP' Network Midterm Review Meeting, Dresden, Oct. 19-20, 2000.

3. "Micro-Raman Scattering study of heavily intercalated Li_xC_{60} fullerides", ISMN-CNR seminar, July 12, 2001.
4. "Raman study of a biphenyl-fullerene (2P-C_{60}) single crystal", TMR 'FULPROP' Network meeting, Bologna, Nov. 23-24, 2001.
5. "Raman characterisation of TiO_2 nanostructures", 'Photovoltaic Cells & Photolysis' project meeting, Pirelli Labs, 21.03.2002.
6. "Raman characterisation of nanostructured TiO_2 films", 'Photovoltaic Cells & Photolysis' project meeting, Bologna, 17.05.2002.
7. "Low temperature phase transitions and photoreactivity in a biphenyl-fullerene single crystal", TMR 'FULPROP' Network meeting, Delphi, Dec. 12-15, 2002.
8. "Characterization of molecular and nanophase technological materials", Department of Materials Science, University of Patras, 31.03.2003.
9. "Observation of nanoscale phase separation/coexistence in the $\text{YBa}_2\text{Cu}_3\text{O}_x$ ($6.00 < x < 7.00$) high temperature superconductor via the micro-Raman technique", Foundation for Research and Technology Hellas, Institute of Chemical Engineering and High Temperature Chemical Processes (ICE-HT), Rion, Patras, 05.06.2003.
10. "Optical properties and spectroscopy of solids", Department of Physics, Aristotle University of Thessaloniki, 01.10.2003.
12. Presentation of recent results of the NTUA team, STREP 'CoMePhS' Progress meetings, Stuttgart 2006 & Groningen 2007.
13. "Calibration of Second Harmonic Generation setups", Marie Curie ToK 'NANONLO' Progress meeting, Bordeaux, France, Nov. 10, 2009.
14. "Calibration of Second Harmonic Generation Microscopy setups and application to sodium-calcium silicate bioactive glasses", Marie Curie ToK 'NANONLO' Final meeting, TPCI / NHRF, Athens, Greece, June 3-4, 2010.
15. "Capabilities at NHRF for glass structure and SHG measurements", FP 7 ERA.Net RUS project 'AN2', Kick-off Meeting, TPCI / NHRF, Athens, Greece, October 18-19, 2012.