

PERSONAL INFORMATION

- Name: Victor Pinon Hermida
- Nationality: Spanish
- Date of birth: 12/12/1976
- E-mail: victorpinon0@gmail.com

EDUCATION

- **Ph. D. - January 2011**, University of A Coruña, Department of Ingeniería Industrial II, Escuela Politécnica Superior. "Improvements of Laser Induced Breakdown Spectroscopy technique for the analysis of solid samples" European Mention, Cum Laude
- **Diploma in Physics- December 2001**, University of Santiago de Compostela.

LANGUAGES

- Spanish - Native
- English - Fluent
- Greek – Basic

WORKING EXPERIENCE

- March 2021-Present, experienced researcher assistant, IESL-FORTH, Greece.
 - Design and development of a microscope LIBS for the study of archaeological samples.
 - Power-LIBS, a novel diagnostic procedure for the rapid, remote, real-time evaluation of polymeric insulators high-voltage overhead power transmission lines.
- June 2014-December 2020, senior application scientist, Applied Photonics Ltd, UK.
 - Conduction of feasibility studies including literature reviews and experimental investigations on the use of LIBS in a wide range of applications.
 - Mechanical assembly, optical alignment, optimisation and testing of laser analytical systems.
 - Preparation of optical fibres for both nanosecond laser transmission and plasma light collection.
 - Use of OpticStudio (Zemax) for modelling and optimisation of the optical design of LIBS systems.
 - Experience on laser maintenance and optical alignment of laser cavities and harmonics generators modules.
 - Interaction with mechanical and software engineers to improve system user experience and to enhance hardware/software features.

- Generation of application notes, technical notes, presentations, product datasheets and company's website upgrade.
- Installation of the company's LIBS systems and training of customers onsite.
- January 2009-June 2012, researcher at Laboratory of Industrial Applications of Laser, University of A Coruña.
 - Investigation of orthogonal double pulse LIBS configurations using nanosecond lasers for improving the lateral resolution and surface sensitivity of the technique.
- February 2007-December 2008, Marie Curie fellow, program "ATLAS" (Advanced Research Training in Laser Sciences) at Foundation for Research and Technology - Institute of Electronic Structure and Laser, FORTH-IESL, Crete, Greece.
 - Continuation of the study of a collinear double pulse LIBS configuration using a femtosecond laser.
- September 2006-January 2007, researcher at Laboratory of Industrial Applications of Laser, University of A Coruña.
 - Use of statistical methods for data processing and improving the LIBS depth profiling results.
- February 2006- August 2006, Marie Curie fellow, program "ATLAS" (Advanced Research Training in Laser Sciences) at Foundation for Research and Technology - Institute of Electronic Structure and Laser, FORTH-IESL, Crete, Greece.
 - Study of a collinear double pulse LIBS configuration using a femtosecond laser, evaluation of the influence of the delay between pulses in figures of merit such as limits of detection or signal reproducibility.
- December 2002-January 2006, researcher at Laboratory of Industrial Applications of Laser, University of A Coruña.
 - Design, implementation and testing of a LIBS setup for obtain 3D chemical maps of non-flat samples.
 - Design and development of a specific software for the analysis of LIBS spectra.

AWARDS RECEIVED

- "LIBS Contest 2008" winner at the "5th International Conference on Laser-Induced Breakdown Spectroscopy" Berlin, Germany (22-26 September 2008).
- "Premio Extraordinario de Doctorado" from the University of A Coruña.

INFORMATIC KNOWLEDGE

- Co-Inventor, SALIBS: Software for the Analysis of Laser Induced Breakdown spectra. Spanish patent C-137-06
- Development software: Python, Matlab, Visual Basic.
- Optical design: OpticStudio (Zemax)
- Design programs: Solidworks, Rhinoceros, Photoshop.

- Microsoft Office, Origin, EndNote

COMPETENCIES AND ACHIEVEMENTS

- 25 publications in international scientific journals and conference proceedings.
- 59 oral and poster presentations in international scientific conferences.
- Hands-on laboratory skills, ample experience on designing and setting experimental setups which involve the use of lasers (nanosecond or femtosecond), different optics and spectrometers. Experience on optical fibre preparation for coupling and transmission of high-power nanosecond lasers.
- Knowledge of several development software, strong set of programming and data processing skills. Capability to learn new development software.
- Laser Safety Awareness Workshop attendance (UVEX Academy), 2014.

PUBLICATIONS

1. G. Nicolás, A. Rámil, V. Piñón, J. Sanesteban, A. Yáñez, "*Data acquisition system for laser cleaning of materials*" Books of Abstracts 1st International Meeting on Applied Physics, 867-867 (2003)
2. M. Mateo, G. Nicolás, V. Piñón, J.C. Álvarez, A. Rámil, A. Yáñez, "*Laser cleaning of prestige tanker oil spill on coastal rocks controlled by spectrochemical analysis*" Analytica Chimica Acta 524, 27-32 (2004)
3. A. Rámil, E. Saavedra, A. J. López, M. P. Mateo, G. Nicolás, V. Piñón, "*Soluciones analíticas a la ecuación de conducción del calor sobre geometrías simples con límites físicos: método de las imágenes*" Anales de Ingeniería Mecánica 4, 2527-2535 (2004)
4. V. Piñón, A. Rámil, M.P. Mateo, J.C. Álvarez, G. Nicolás, "*Desarrollo de un software de adquisición y análisis de señales*" Anales de Ingeniería Mecánica 1, 209-214 (2004)
5. G. Nicolás, A. Rámil, A.J. López, J.C. Álvarez, V. Piñón, "*Integración de una Aplicación Informática en una Estación de Trabajo de Procesado de Materiales por Láser*" Anales de Ingeniería Mecánica 1, 203-207 (2004)
6. M.P. Mateo, G. Nicolás, V. Piñón, A. Rámil, A. Yáñez, "*Laser cleaning: an alternative method for removing oil-spill fuel residues*" Applied Surface Science 247, 333-339 (2005)
7. A.J. López, G. Nicolás, M.P. Mateo, V. Piñón, A. Rámil, A. Yáñez, "*Análisis de cerámicas romanas Terra Sigillata mediante Espectroscopía de Plasmas Inducidos por Láser (LIPS)*" Boletín de la Sociedad Española de Cerámica y Vidrio 44(6), 373-378 (2005)
8. M.P. Mateo, G. Nicolás, V. Piñón, J.C. Alvarez, A. Rámil, A. Yáñez, "*Versatile software for semiautomatic analysis and processing of laser-induced plasma spectra*" Spectrochimica Acta Part B 60 (7-8), 1202-1210 (2005)

9. A.J. López, G. Nicolás, M.P. Mateo, V. Piñón, M.J. Tobar, A. Rámil, "*Compositional analysis of Hispanic Terra Sigillata by laser-induced breakdown spectroscopy*" *Spectrochimica Acta Part B* 60 (7-8), 1149-1154 (2005)
10. A.J. López, A. Rámil, G. Nicolás, M. P. Mateo, V. Piñón, A. Yáñez, "*Provenance characterization of archaeological ceramics by laser induced plasma spectroscopy*" *Materials Science Forum* 514, 1638-1642 (2006)
11. A.J. López, G. Nicolás, M.P. Mateo, A. Rámil, V. Piñón, A. Yáñez, "*LIPS and linear correlation analysis applied to the classification of Roman pottery Terra Sigillata*" *Applied Physics A* 83, 695-698 (2006)
12. M.P. Mateo, G. Nicolás, V. Piñón, A. Yáñez, "*Improvements in depth-profiling of thick samples by laser-induced breakdown spectroscopy using linear correlation*" *Surface and Interface Analysis* 38(5), 941-948 (2006)
13. G. Nicolás, M.P. Mateo, V. Piñón, "*3D chemical maps of non-flat surfaces by laser-induced breakdown spectroscopy*" *Journal Of Analytical Atomic Spectrometry* 22(10), 1244-1249 (2007)
14. V. Piñón, C. Fotakis, G. Nicolás, D. Anglos, "*Double pulse laser-induced breakdown spectroscopy with femtosecond laser pulses*" *Spectrochimica Acta Part B* 63(10), 1006-1010 (2008)
15. J. Goujon, A. Giakoumaki, V. Piñón, O. Musset, D. Anglos, E. Georgiou, J.P. Boquillonlos, "*A compact and portable laser-induced breakdown spectroscopy instrument for single and double pulse applications*" *Spectrochimica Acta Part B* 63(10), 1091-1096 (2008)
16. V. Piñón, D. Anglos, "*Optical emission studies of plasma induced by single and double femtosecond laser pulses*" *Spectrochimica Acta Part B* 64(10), 950-960 (2009)
17. V. Piñón, D. Anglos, G. Nicolás, "*Improvement of laser induced breakdown spectroscopy technique using double pulse schemes*" *Óptica Pura y Aplicada* 43(2), 113-117 (2010)
18. M.P. Mateo, V. Piñón, G. Nicolas, "*Vessels protective coatings characterization by laser-induced plasma spectroscopy for quality control purposes*" *Surface and Coatings Technology* 211, 89-92 (2012)
19. Lopez-Quintas, V. Piñón, M.P. Mateo, G. Nicolas, "*Effect of surface topography in the generation of chemical maps by laser-induced plasma spectroscopy*" *Applied Surface Science* 258(23), 9432–9436 (2012)
20. Lopez-Quintas, M.P. Mateo, V. Piñón, A. Yáñez, G. Nicolas, "*Mapping of mechanical specimens by laser induced breakdown spectroscopy method: Application to an engine valve*" *Spectrochimica Acta Part B* 74-75, 109-114 (2012)
21. M.P. Mateo, V. Piñón , D. Anglos, G. Nicolas, "*Effect of ambient conditions on ultraviolet femtosecond pulse laser induced breakdown spectra*" *Spectrochimica Acta Part B* 74-75, 18-23 (2012)
22. V. Piñón , M.P. Mateo, G. Nicolas, "*Laser-Induced Breakdown Spectroscopy for chemical mapping of materials*" *Applied Spectroscopy Reviews* 48(5), 357-383 (2013)
23. T.L. Griffiths, S.E. Woodbury, A. Brooks, V. Piñón, A. Giakoumaki, A. Whitehouse, "*A study of the effects of gamma radiation on optical components used in specially constructed hot cell laser-*

- induced breakdown spectroscopy (LIBS) instruments*" Spectrochimica Acta Part B 180, 106205 (2021).
24. E. Kepes, J. Vrabel, P. Siozos, V. Piñón, et. al., "*Quantification of alloying elements in steel targets: The LIBS 2022 regression contest*" Spectrochimica Acta Part B 206, 106710 (2023).
 25. N. Giannakaris, P. Siozos, V. Piñón, S.P. Banerjee, M. Sentis, J.D. Pedarnig, D. Anglos, "*UV femtosecond single-pulse and collinear double-pulse laser-induced breakdown spectroscopy (LIBS) for depth-resolved characterization of nano-scaled films*" Applied Surface Science 640, 158354 (2023).
 26. N. Hausmann, D. Theodoraki, V. Piñón, P. Siozos, A. Lemonis, D. Anglos, "*Applying laser induced breakdown spectroscopy (LIBS) and elemental imaging on marine shells for archaeological and environmental research*" Scientific Reports 13, 19812 (2023).

CONFERENCES

1. G. Nicolás, A. Rámil, V. Piñón, J. Sanesteban, A. Yáñez, "*Data acquisition system for cleaning of materials*" Poster presentation at International Meeting on Applied Physics, Badajoz (Spain) 13-18/10/2003
2. M.P. Mateo, G. Nicolás, V. Piñón, J.C. Alvarez, A. Rámil, A. Yáñez, "*Laser cleaning of tools and rocks polluted by oil spill from prestige tanker*" Poster presentation at VIII International Symposium on Analytical Methodology in the Environment Field / XIII Reunión de la Sociedad Española de Química Analítica, A Coruña (Spain) 21-24/10/2003
3. M.P. Mateo, G. Nicolás, V. Piñón, A. Rámil, A. Yáñez, "*Laser cleaning: an alternative method for removing oil-spill fuel residues*" Poster presentation at European Materials Research Society-Spring Meeting, Strasbourg (France) 24-28/5/2004
4. G. Nicolás, M.P. Mateo, V. Piñón, A. Rámil, A. Yáñez, "*Methods of control and evaluation of laser painting removal process in naval sector*" Poster presentation at European Materials Research Society-Spring Meeting, Strasbourg (France) 24-28/5/2004
5. M. P. Mateo, V. Piñón, G. Nicolás, A. J. López, A. Yáñez, "*Espectroscopía de plasmas generados en la descontaminación por láser de superficies afectadas por vertidos de fuel*" Oral presentation at XIX Reunión Nacional de Espectroscopía / III Congreso Ibérico de Espectroscopía, Las Palmas de Gran Canaria (Spain) 4-9/7/2004
6. G. Nicolás, V. Piñón, M. P. Mateo, A. Rámil, A. Yáñez, "*Control del proceso de decapado por láser de pinturas utilizadas en el sector naval mediante análisis espectral de las partículas eliminadas*" Poster presentation at XIX Reunión Nacional de Espectroscopía / III Congreso Ibérico de Espectroscopía, Las Palmas de Gran Canaria (Spain) 4-9/7/2004
7. M.P. Mateo, V. Piñón, C. Álvarez, A. Rámil, A. Yáñez, G. Nicolás, "*Laser-induced plasma monitoring for the control of oil-spill fuel removal by laser ablation*" Poster presentation at 3rd International Conference on Laser Induced Plasma Spectroscopy and Applications, Torremolinos (Spain) 28/9/2004 - 1/10/ 2004
8. A.J. López, M.P. Mateo, V. Piñón, M.J. Tobar, A. Rámil, G. Nicolás, "*Compositional analysis of Hispanic terra sigillata by laser spectroscopy*" Poster presentation at 3rd International

Conference on Laser Induced Plasma Spectroscopy and Applications, Torremolinos (Spain) 28/9/2004 - 1/10/2004

9. G. Nicolás, V. Piñón, M. P. Mateo, J.M. Amado, A. Yáñez, "*Control by LIPS of laser stripping of paint layers used in naval sector*" Poster presentation at 3rd International Conference on Laser Induced Plasma Spectroscopy and Applications, Torremolinos (Spain) 28/9/2004 - 1/10/2004
10. A. J. López, A. Rámil, M. P. Mateo, V. Piñón, G. Nicolás "*Caracterización de cerámicas antiguas mediante espectroscopía de plasmas inducidos por láser: aplicación al caso de "Terra Sigillata Hispánica"*" Oral presentation at XLIV Congreso Sociedad Española de Cerámica y Vidrio, Vigo (Spain) 10-13/11/2004
11. G. Nicolás, M. P. Mateo, A. J. López, A. Rámil, V. Piñón, A. Yáñez "*Estudio comparativo de cerámicas romanas "Terra Sigillata" procedentes de distintos centros de producción*" Poster presentation at XLIV Congreso Sociedad Española de Cerámica y Vidrio, Vigo (Spain) 10-13/11/2004
12. G. Nicolás, A. Rámil, A.J. López, J.C. Álvarez, V. Piñón, "*Integración de una aplicación informática en una estación de trabajo de procesado de materiales por láser*" Poster presentation at XVI Congreso Nacional de Ingeniería Mecánica, León (Spain) 15-17/12/2004
13. V. Piñón, A. Rámil, M.P. Mateo, J.C. Álvarez, G. Nicolás, "*Desarrollo de un software de adquisición y análisis de señales*" Oral presentation at XVI Congreso Nacional de Ingeniería Mecánica, León (Spain) 15-17/12/2004
14. A. Rámil, E. Saavedra, A. J. López, M. P. Mateo, G. Nicolás, V. Piñón, "*Soluciones analíticas a la ecuación de conducción del calor sobre geometrías simples con límites físicos: método de las imágenes*" Oral presentation at XVI Congreso Nacional de Ingeniería Mecánica, León (Spain) 15-17/12/2004
15. A.J. López, A. Rámil, G. Nicolás, M.P. Mateo, V. Piñón, A. Yáñez "*Analysis and characterization of archaeological ceramics by laser induced plasma spectroscopy*" Oral presentation at Materiais 2005: XII Portuguese Materials Society Meeting / III International Materials Symposium, Aveiro (Portugal) 20-23/3/2005
16. G. Nicolás, V. Piñón, M.P. Mateo, A. Yáñez, "*Laser ablation process controlled by emission spectroscopy: application to the paintings removal*" Poster presentation at E-MRS 2005 Spring Meeting, Strasbourg (France) 20-23/3/2005
17. G. Nicolás, M.P. Mateo, A.J. López, A. Rámil, V. Piñón, A. Yáñez, "*Laser technology applied for the analysis of roman pottery Terra Sigillata*" Oral presentation at E-MRS 2005 Spring Meeting, Strasbourg (France) 20-23/3/2005
18. G. Nicolás, M.P. Mateo, V. Piñón, J.C. Alvarez, A. Rámil, A. Yáñez, "*Cleaning and analysis of fuel from Prestige oil spill by laser technique*" Poster presentation at Symposium. on Marine Accidental Oil Spills (VERTIMAR 2005), Vigo 13-16/7/2005
19. G. Nicolás, V. Piñón, M.P. Mateo, A. Yáñez, "*Atomic-emission spectroscopy software: identification, simulation and comparison tools*" Oral presentation at CSI XXXIV: Colloquium Spectroscopicum Internationale, Antwerp (Belgium) 4-9/9/2005

20. G. Nicolás, A.J. López, M.P. Mateo, A. Rámil, V. Piñón, A. Yáñez, "*Atomic Classification of archaeological pottery by laser induced plasma spectroscopy*" Poster presentation at CSI XXXIV: Colloquium Spectroscopicum Internationale, Antwerp (Belgium) 4-9/9/2005
21. M.P. Mateo, V. Piñón, G. Nicolás, A. Yáñez, "*Improvements in depth-profiling of thick samples by laser-induced breakdown spectroscopy using linear correlation*" Oral presentation at III Euro-Mediterranean Symposium on Laser-Induced Breakdown Spectroscopy, Aachen (Germany) 7-9/9/2005
22. V. Piñón, M.P. Mateo, G. Nicolás, "*Chemical maps of non-flat surfaces by laser-induced breakdown spectroscopy*" Poster presentation at III Euro-Mediterranean Symposium on Laser-Induced Breakdown Spectroscopy, Aachen (Germany) 7-9/9/2005
23. A.J. López, G. Nicolás, M.P. Mateo, V. Piñón, A. Rámil, A. Yáñez, "*Análisis de cerámicas arqueológicas mediante espectroscopía de plasmas inducidos por láser (LIPS)*" Poster presentation at XXX Reunión Bienal de la Real Sociedad Española de Física, Ourense (Spain) 12-16/9/2005
24. M.P. Mateo, G. Nicolás, V. Piñón, A.J. López, A. Yáñez, "*Laser cleaning of organic formations on XII century granite walls*" Oral presentation at LACONA VI: 6 TH International Congress on Lasers in the Conservation Of Artworks, Vienna (Austria) 21-25/9/2005
25. A.J. López, G. Nicolás, M.P. Mateo, V. Piñón, A. Rámil, "*Laser induced plasma spectroscopy for the analysis of roman ceramics Terra Sigillata*" Oral presentation at LACONA VI: 6 TH International Congress on Lasers in the Conservation Of Artworks, Vienna (Austria) 21-25/9/2005
26. M.P. Mateo, G. Nicolás, V. Piñón, A. Yáñez, "*Characterization of ceramic materials by laser-induced plasma spectroscopy*" Poster presentation at E-MRS 2006 Spring Meeting, Nice (France) 29/5/2006 - 2/6/2006
27. G. Nicolás, M.P. Mateo, V. Piñón, A. Yáñez, "*Advantages of correlation statistics for the characterization of multilayered samples using laser-induced breakdown spectroscopy*" Poster presentation at 8th EUROPEAN Workshop on Laser Ablation in Elemental Analysis, Zurich (Switzerland) 19-21/6/2006
28. G. Nicolás, M.P. Mateo, V. Piñón, A. Yáñez, "*Laser analysis and removal of paint layers by laser technology*", Poster presentation at International Conference on Laser Induced Plasma Spectroscopy and Applications, Montreal (Canada) 5-8/9/2006
29. V. Piñón, "*Studies on double pulse femtosecond LIBS*", Oral presentation at New Frontiers in Micro and Nano Photonics, Florence (Italy) 23-26/4/2008
30. V. Piñón, D. Anglos, "*Studies of plume optical emission following double pulse femtosecond laser ablation*" Poster presentation at E-MRS 2008 Spring Meeting, Strasbourg (France) 26-30/5/2008
31. V. Piñón, D. Anglos, "*Double pulse femtosecond LIBS*", Oral presentation at E-MRS 2008 Spring Meeting, Strasbourg (France) 26-30/5/2008
32. V. Piñón, D. Anglos, "*Studies of double-pulse LIBS with femtosecond laser pulses*" Oral presentation at 5th International Conference on Laser Induced Plasma Spectroscopy, Berlin (Germany) 22-26/9/2008

33. V. Piñón, D. Anglos, G. Nicolas, "*Improvement of laser induced breakdown spectroscopy technique using double pulse schemes*" Oral presentation at IX Reunión Nacional de óptica, Ourense (Spain) 14-17/9/2009
34. V. Piñón, M.P. Mateo, G. Nicolas, "*Comparative study between single and double pulse LIBS mapping*", Poster presentation at 5th Euro Mediterranean Symposium on Laser Induced Plasma Spectroscopy, Rome (Italy) 28/9/2009 - 1/10/2009
35. V. Piñón, M.P. Mateo, G. Nicolas, "*Laser Induced Breakdown Spectroscopy mapping using different double pulses approaches*" Oral presentation at E-MRS 2010 Spring Meeting, Strasbourg (France) 7-11/6/2010
36. V. Piñón, M.P. Mateo, G. Nicolas, "*Laser Induced Breakdown Spectroscopy mapping using different double pulses approaches*" Poster presentation at XXII Reunión Nacional de Espectroscopía / VI Congreso Ibérico de Espectroscopía, Oporto (Portugal) 8-10/9/2010
37. M.P. Mateo, I. Lopez, V. Piñón, A. Yáñez, G. Nicolas, "*Generación de mapas químicos de muestras complejas mediante espectroscopía de plasmas inducidos por laser*" Poster presentation at XXII Reunión Nacional de Espectroscopía / VI Congreso Ibérico de Espectroscopía, Oporto (Portugal) 8-10/9/2010
38. G. Nicolas, M.P. Mateo, V. Piñón, "*Effect of surface topography in the generation of chemical maps by laser-induced plasma spectroscopy*" Poster presentation at E-MRS 2011 Spring Meeting, Nice (France) 10-12/5/2011
39. G. Nicolas, M.P. Mateo, V. Piñón, "*Vessels protective coatings characterization by laser-induced plasma spectroscopy for quality control purposes*" Poster presentation at E-MRS 2011 Spring Meeting, Nice (France) 10-12/5/2011
40. M.P. Mateo, V. Piñón, D. Anglos, G. Nicolas, "*Effect of Ambient Conditions on Femtosecond Double Pulse Laser Induced Breakdown Spectra*" Poster presentation at 6th Euro Mediterranean Symposium on Laser Induced Plasma Spectroscopy, Izmir (Turkey) 11-15/9/2011
41. I. Lopez, V. Piñón, M. P. Mateo, A. Yáñez, G. Nicolas, "*Mapping of Mechanical Specimens by Laser Induced Breakdown Spectroscopy Method: Application to an Engine Valve*" Poster presentation at 6th Euro Mediterranean Symposium on Laser Induced Plasma Spectroscopy, Izmir (Turkey) 11-15/9/2011
42. V. Piñón, R. Hermida, I. Lopez, M.P. Mateo, G. Nicolas, "*Spatial Distribution of Nutrients in Plant Leaves by Laser Induced Breakdown Spectroscopy*" Poster presentation at 6th Euro Mediterranean Symposium on Laser Induced Plasma Spectroscopy, Izmir (Turkey) 11-15/9/2011
43. M.P. Mateo, V. Piñón, I. Lopez, G. Nicolas, "*Combination of LIBS and Confocal Topographic Information for the Construction of 3D Chemical Maps*" Poster presentation at 6th Euro Mediterranean Symposium on Laser Induced Plasma Spectroscopy, Izmir (Turkey) 11-15/9/2011
44. V. Piñón, M.P. Mateo, G. Nicolas, "*Application of Laser Induced Breakdown Spectroscopy to the Characterization of Marine Protective Coatings*" Poster presentation at 6th Euro Mediterranean Symposium on Laser Induced Plasma Spectroscopy, Izmir (Turkey) 11-15/9/2011

45. I. Lopez, V. Piñón, M. P. Mateo, A. Yáñez, G. Nicolas, "*Chemical Maps obtained by Laser Induced Breakdown Spectroscopy technique on non flat mechanical components*" Poster presentation at 11th International Conference On Laser Ablation (COLA 2011), Playa del Carmen (Mexico) 13-19/11/2011
46. V. Piñón, M. P. Mateo, G. Nicolas, "*Characterization of coatings by laser-induced breakdown spectroscopy for quality control purposes*" Poster presentation at 11th International Conference On Laser Ablation (COLA 2011), Playa del Carmen (Mexico) 13-19/11/2011
47. A.I. Whitehouse, C.P. Evans, V. Piñón, A. Giakoumaki, J.A.T. Pugh, "*An overview of proven applications of Laser-Induced Breakdown Spectroscopy (LIBS) within the nuclear power and reprocessing industries*", Oral presentation at Euro-Mediterranean Symposium in LIBS (EMS-LIBS), Linz (Austria) 14-18/9/2015
48. A. Giakoumaki, V. Piñón, C.P. Evans, A.I. Whitehouse, "*Quantitative measurements of liquid samples by LIBS*", Oral presentation at 9th International Conference on Laser-Induced Breakdown Spectroscopy LIBS 2016, Chamonix (France), 12-16/9/2016
49. V. Piñón, A. Giakoumaki, C.P. Evans, A.I. Whitehouse, "*Comparative tests of an Echelle Multiplex Unit (EMU) spectrometer with a multi-channel spectrometer using a modular LIBS system*", Poster presentation at 9th International Conference on Laser-Induced Breakdown Spectroscopy LIBS 2016, Chamonix (France), 12-16/9/2016
50. S. Woodbury, T. Brooks, A.I. Whitehouse, C.P. Evans, R. Robinson, V. Piñón, A. Giakoumaki, "*In-cave LIBS in Windscale laboratory*", Poster presentation at 54th Annual Meeting on Hot Laboratories and Remote Handling, Mito (Japan), 17-22/9/2016
51. A. Giakoumaki, V. Piñón, K. Melessanaki, K. Hatzigiannakis, P. Pouli, D. Anglos, "*Development of a portable LED-IF instrument for the characterisation of biodeterioration on monuments*", Poster presentation at 12th International Conference on Instrumental Methods of Analysis: Modern Trends and Applications, Thessaloniki, (Greece) 20-23/9/2021
52. N. Hausmann, D. Theodoraki, V. Piñón, P. Siozos, A. Lemonis, D. Anglos, "*Building extensive high-resolution sclerochronological archives using Laser Induced Breakdown Spectroscopy (LIBS) and rapid elemental mapping*", Oral presentation at PAGES Agadir 2022 6th Open Science Meeting, Agadir (Morocco), 16-20/5/2022
53. N. Hausmann, D. Theodoraki, V. Piñón, D. Anglos, "*A high-resolution, high-quantity approach to mollusc shell analysis and linking archaeological with climatic data*", Oral presentation at General Assembly 2022 of the European Geosciences Union (EGU), Vienna(Austria), 23-27/5/2022
54. V. Piñón, N. Hausmann, D. Theodoraki, D. Anglos, "*Development of a fully automated micro-LIBS system for 2D elemental analysis of archeological shells*", Oral presentation at 9th International Conference on Laser-Induced Breakdown Spectroscopy LIBS 2022, Bari (Italy), 5-9/9/2022
55. A. Giakoumaki, V. Piñón, K. Hatzigiannakis, M. Andrianakis, K. Melessanaki, P. Pouli, D. Anglos, "*Development of a hybrid portable instrument performing LED-Induced Fluorescence, LIBS and Diffuse Reflectance for an integrated study of diverse surface layers/deposits on monuments*",

Oral presentation at 13th International Conference on Lasers in the Conservation of Artworks LACONA XIII, Florence (Italy), 12-16/9/ 2022

56. A. Giakoumaki, V. Piñón, M. Andrianakis, K. Hatzigiannakis, K. Melessanaki, M. Pavlou, S. Korosis, P. Pouli, “*Development of a portable, hybrid analytical instrument combining LED-Induced Fluorescence, Laser-Induced Breakdown Spectroscopy and Diffuse Reflectance for an integrated analysis of materials on monuments and objects of archaeological interest*”, 3rd International Conference TMM-CH Transdisciplinary Multispectral Modelling and Cooperation for the Preservation of Cultural Heritage, Athens (Greece), 20-23/3/2023
57. V. Piñón, A. Giakoumaki, M. Andrianakis, K. Hatzigiannakis, K. Melessanaki, M. Pavlou, S. Korosis, P. Pouli, D. Anglos, “*Development of a hybrid portable instrument for assessing the surface state and degradation of monuments: combining LED-Induced Fluorescence, LIBS and Diffuse Reflectance*”, Oral presentation at 13th International Conference on Instrumental Methods of Analysis: Modern Trends and Applications IMA-2023, Chania (Greece), 17-20/9/ 2022
58. V. Piñón, N. Hausmann, D. Theodoraki, P. Siozos, A. Lemonis, D. Anglos, “*A fully automated micro-LIBS system for 2D elemental imaging of marine shells for archaeological research*”, Poster presentation at 13th International Conference on Instrumental Methods of Analysis: Modern Trends and Applications IMA-2023, Chania (Greece), 17-20/9/ 2022
59. O. Kokkinaki, P. Siozos, I. Lontos, K. Hatzigiannakis, M. Andrianakis, V. Piñón, S. Dellis, T. Anagnos, N. Mavrikakis, K. Siderakis, K. Mouratis, E. Koudoumas, G. Kantemiris, S. Couris, D. Anglos, “*Remote LIBS for real time evaluation of the operational condition of polymeric insulators on high voltage power transmission lines*”, Poster presentation at 13th International Conference on Instrumental Methods of Analysis: Modern Trends and Applications IMA-2023, Chania (Greece), 17-20/9/ 2022

REFERENCES

- Dr. Andy Whitehouse, Applied Photonics Ltd, UK.
Andy.Whitehouse@appliedphotonics.co.uk
- Prof. Ginés Nicolás, Escuela Politécnica Superior, Universtiy of A Coruña.
gines@udc.es
- Prof. Demetrios Anglos, Institute of Electronic Structure and Laser, Foundation for Research and Technology – Hellas (IESL-FORTH).
anglos@iesl.forth.gr
- Prof. Ignacio Lopez Quintas, Applied Physics Department, University of Salamanca.
ilopezquintas@usal.es