

## Dr. Nikolaos Laskaris

Assistant Professor

Department of Industrial Design and Production Engineering

School of Engineering – University of West Attica

Ancient Olive Grove Campus, Building Z, Office ZA105

Petrou Ralli & Thivon 250 str., Egaleo, Greece, 12241

Tel: +302105381290 / e-mail: n.laskaris@uniwa.gr

---

### Personal Information

**Nationality:** Greek

**Military Service:** 15/11/2010 - 15/8/2011, Hellenic Air Force, 112 Compat Wing, Operations Support Squadron, Engineer of military telecommunications and of aircraft's avionic systems.

### Education

- 1) **2000 – 2004** B.Eng. Department of Electronics, Technological Educational Institute of Lamia, Greece
- 2) **2007 – 2010** PhD Thesis, Faculty of Humanities, Department of Mediterranean Studies, Aegean University, Greece in collaboration with NCSR Dimokritos: “Application of nuclear and spectroscopic methods analysis to improve obsidian dating method”
- 3) **2010 – 2011** Hellenic Air Force, 128 Telecommunications & Electronics Training Group, Engineer of military telecommunications and of aircraft's avionic systems
- 4) **12/3/2018 – 16/3/2018** Educational visit to University of Nottingham, UK, with Erasmus+ program for training in 3D scanning and point-cloud processing.

### Research/Working Experience

- 1) **4/2005 – 12/2006 Researcher.** Project: “*Study of cluster ion production mechanisms during the emission of liquid metal alloy ion sources and the application of focused ion beams in the design and manufacture of germanium – silicon diodes*”, Department of Electronic Engineering, TEI of Lamia. Funded by the Ministry of Education, Project Coordinator: Prof. Vasilios Kotsos

2) **1/1/2009 - 31/12/2009 Researcher, supervisor of conservators and multimedia installations.** Project: "*Inventory, Study wear and maintenance of marble funerary monuments of Cemetery Alexandria, Egypt, and digitization of the Presentation*", Technological Educational Institute of Lamia, Greece, funded by Ministry of Foreign Affairs, Hellenic Aid. Project Coordinator: Prof. Theodore Ganetsos

3) **2012 - 2013, Post-Doctoral Fellowship** on the project "*Characterization of defects in monocrystalline formations of CdTe/CdZnTe*", Department of Electronics, Technological Educational Institute of Lamia, Greece in collaboration with Charles University of Prague, Czech Republic. Project Coordinator: Prof. Theodore Ganetsos

Work Packages: Preparation of optical and electrical measurements, development of CdTe samples, implantation of dopants - annealing, use of FTIR - Raman - Kelvin Probe - Hall conductivity, data analysis, conference participation, organize of workshop

4) **1/5/2018 - 31/12/2019 Senior Researcher** on the project "*Ecclesiastical silver: study and documentation using non-destructive techniques of ecclesiastic metal wares in Magnesia and Larissa districts (15th - 19th century)*" (MIS 5005968) under the call for proposals titled "Researchers' Support with Emphasis on Young Researchers" (EDULLL 34)". Project Coordinator: Associate Professor Ioannis Varalis

Work Packages: Application of XRF and Raman in ecclesiastical metal wares, data analysis.

5) **2006 - 2021 Freelancer** on electrical and electronic engineering

## Teaching Activities

**2011 - 2018 Adjunct Assistant Professor**, Department of Audio & Musical Instruments Technology, Technological Educational Institute of Ionian Islands, Greece.

- Teaching the courses of "Material Science", "Cultural Technology", "electronics", "building materials", "human factors", Digital Signal Processing"
- Administrative and organizing responsibilities such as a) Head of the Housing Allowance committee, b) Designer of the official website of the Department.
- Supervisor of 8 diploma theses
- Examiner in more than 40 diploma theses

**2017 – 2021: Visiting Lecturer**, Department of Industrial Design and Production Engineering, School of Engineering – University of West Attica (2017 – 2018 as TEI Piraeus)

- Teaching the courses of “Nanoelectronics”, “Digitalization of Cultural Heritage”, “Optoelectronic devices and applications”, “Nanoelectronic devices and applications”, “Art and Technology”

**2019 – 2021: Teaching in Postgraduate program** of Department of Industrial Design and Production Engineering, School of Engineering – University of West Attica, Course

### Memberships

- Member of the Hellenic Society of Archaeometry
- Member of the Greek Sector of International Council of Monuments and Sites (ICOMOS)

### Research Interest

- Application of SIMS technique to non-crystalline glass
- Study of Diffusion mechanisms (Fick’s Laws of Diffusion) for several materials
- Optical and electrical characterization of materials with application to micro and nano electronics
- Non- destructive characterization of archaeological artifacts and artworks
- Novel applications of electronics and informatics to health
- Digitalization of Cultural Heritage
- Novel applications of electronics and informatics to environmental issues

### Editorial Board in peer – review journals

- Scientific Culture (*Journal of Applied Science & Technology to Cultural Heritage Issues*)

## Reviewer in peer – review journals

- **Journal of Archaeological Science** (Elsevier),
- **Journal of Archaeological Science: Reports** (Elsevier),
- **Journal of Quaternary International** (Elsevier),
- **Archaeological and Anthropological Sciences** (Springer),
- **Chemosensors** (MDPI),
- **Sustainability** (MDPI),
- **Applied Sciences** (MDPI),
- **Information** (MDPI),
- **Heritage** (MDPI)

## Publications, Conferences, Workshops etc.

### Book Chapters

- Ch.1. **I. Lirintzis, N. Laskaris.** (2012) “The SIM-SS obsidian Hydration Dating Method”, στο Βιβλίο *“The dating and provenance of obsidian and Ancient Manufactured glasses”*, I. Lirintzis & C. Stevenson (Eds), University of New Mexico Press
- Ch.2. **N. Gkoutas, T. Ganetsos, M. Peraki, D. Tseles, N. Laskaris.** (2018) “Application of Non-destructive Techniques (Raman Spectroscopy and XRF) into an Icon by Michael Damaskinos”, στο Βιβλίο *“Digital Heritage: Progress in Cultural Heritage. Documentation, Preservation, and Protection”*, M. Ioannides, E. Fink, R. Brumana, P. Patias, A. Doulamis, J. Martins, M. Wallace (Eds.) Springer LNCS Nature Switzerland, 2018  
**DOI: [10.1007/978-3-030-01765-1\\_21](https://doi.org/10.1007/978-3-030-01765-1_21)**
- Ch.3. **K. Koutliani, T. Ganetsos, C. Merkouri, M Peraki, N. Laskaris.** (2018) “Pigments Identification in Oil Paintings of 18th–19th Century from the Museum of Post Byzantine Art of Zakynthos Using Raman Spectroscopy and XRF”, στο Βιβλίο *“Digital Heritage: Progress in Cultural Heritage. Documentation, Preservation, and Protection”*, M. Ioannides, E. Fink, R. Brumana, P. Patias, A. Doulamis, J. Martins, M. Wallace (Eds.) Springer LNCS Nature Switzerland  
**DOI: [10.1007/978-3-030-01765-1\\_22](https://doi.org/10.1007/978-3-030-01765-1_22)**

**Blind Peer – review Journals**

- J.1. **Th. Ganetsos, N. Laskaris, Ch. Lontos, B. Kotsos.** (2005) “Mass spectrum analysis of a L.M.A.I.Ss using a novel software by Matlab”. *IEEE, Technical Digest, Volume 2005, 2005, Article number 1619631, Pages 352-353*  
**DOI:** [10.1109/IVNC.2005.1619631](https://doi.org/10.1109/IVNC.2005.1619631)
- J.2. **I. Liritzis, Th. Ganetsos, N. Laskaris.** (2005) “Review and software assessment of the recent SIMS-SS obsidian hydration dating method”. *Mediterranean Archaeology and Archaeometry, Vol.5 No2, pp 75 – 91*  
**DOI:** <http://maajournal.com/Issues/2005/Vol05-2/Full6.pdf>
- J.3. **Th. Ganetsos, L. Bischoff, W. Pilz, Ch. Akmaliev, N. Laskaris, B. Kotsos** (2007) “Temperature Dependence on the Emission Characteristics of a AuGe Liquid Metal Alloy Ion Source”. *American Institute of Physics, pp423-424* **DOI:** [10.1063/1.2733217](https://doi.org/10.1063/1.2733217)
- J.4. **I. Liritzis, M. Bonini, N. Laskaris.** (2008) “Obsidian hydration dating by SIM-SS: Surface suitability criteria from Atomic Force Microscopy”. *Surface and Interface Analysis, Vol 40, Issue 3-4*  
**DOI:** [10.1002/sia.2672](https://doi.org/10.1002/sia.2672)
- J.5. **I. Liritzis, N. Laskaris, M. Bonini.** (2008) “Nano- and Micro- scale Resolution in ancient obsidian artefact’s surfaces: The impact of AFM on the Obsidian hydration Dating by SIM-SS”. *Physica Status Solidi (c), Volume 5, Issue 12*  
**DOI:** [10.1002/pssc.200780192](https://doi.org/10.1002/pssc.200780192)
- J.6. **I. Liritzis and N. Laskaris.** (2009) “Advances in obsidian Hydration dating by secondary ion mass spectrometry: world examples”. *Nuclear Instruments and Methods in Physics Research B, 267*  
**DOI:** [10.1016/j.nimb.2008.10.092](https://doi.org/10.1016/j.nimb.2008.10.092)
- J.7. **Th. Katsaros, I. Liritzis, N. Laskaris.** (2009) “Is white pigment on Appelles’ palette a TiO<sub>2</sub>-rich kaolin? New analytical results on the case of Melian Earth”. *Mediterranean Archaeology & Archaeometry, Vol 9, Issue 1*  
**DOI:** <http://maajournal.com/Issues/2009/FullTextKatsaros.pdf>
- J.8. **Th. Ganetsos, K. Douka, Th. Higham, N. Laskaris.** (2010) “FTIR and Raman Spectroscopy in the analysis of archaeological samples”. *American Institute of Physics, p.305-306*  
**DOI:** [10.1063/1.3482526](https://doi.org/10.1063/1.3482526)

- J.9. **Th. Ganetsos, Y. Skarlatos, B. Kotsos, N. Laskaris.** (2010) "Raman and FTIR studies on chalcogenide glasses". *American Institute of Physics*, p.1119-1120  
**DOI:** [10.1063/1.3482329](https://doi.org/10.1063/1.3482329)
- J.10. **T. Katsaros, I. Liritzis and N. Laskaris.** (2010) "Identification of Theophrastus pigments egyptios kyanos and psimythion from archaeological excavations: a case study". *Archaeosciences*, Vol 34 p. 69-80  
**DOI:** <https://doi.org/10.4000/archeosciences.2632>
- J.11. **I. Liritzis, N. Laskaris.** (2011) "Fifty years of Obsidian Hydration Dating in Archaeology". *Journal of non- Crystalline Solids*, 357, pp 2011- 2023  
**DOI:** [10.1016/j.jnoncrysol.2011.02.048](https://doi.org/10.1016/j.jnoncrysol.2011.02.048)
- J.12. **N. Laskaris, I. Liritzis.** (2011) "A new mathematical approximation of sunlight attenuation in rocks for Surface Luminescence Dating". *Journal of Luminescence*, 131, p. 1874–1884  
**DOI:** [10.1016/j.jlumin.2011.04.052](https://doi.org/10.1016/j.jlumin.2011.04.052)
- J.13. **N. Laskaris, A. Sampson, F. Mavridis, I. Liritzis.** (2011) "Late Pleistocene/Early Holocene seafaring in the Aegean: new obsidian hydration dates with the SIMS-SS method". *Journal of archaeological Science*, 38, p. 2475-2479  
**DOI:** [10.1016/j.jas.2011.05.019](https://doi.org/10.1016/j.jas.2011.05.019)
- J.14. **A. Sampson, M. Kaczanowska, J. K. Kozłowski, C. Athanassas, Y. Bassiakos, I. Liritzis, N. Laskaris, I. Tsermegas.** (2012) "Mesolithic occupations and environments on the island of Ikaria, Aegean, Greece". *Folia Quaternaria*, 80 (1), pp 5-86  
[http://pau.krakow.pl/FoliaQ/FoliaQ\\_80.pdf](http://pau.krakow.pl/FoliaQ/FoliaQ_80.pdf)
- J.15. **J. Antonopoulos, K. Kalovrektis, Th. Ganetsos, N.Y.A. Shammias, N. Laskaris.** (2013) "In-depth Analysis of Cardiac Signals Using Novel Equipment and Software". *American Journal of Biomedical Engineering*, 3(4), 85-90  
**DOI:** [10.5923/j.ajbe.20130304.01](https://doi.org/10.5923/j.ajbe.20130304.01)
- J.16. **Th. Ganetsos, Ed. Belas, L. Cedovy, B. Kotsos, N. Laskaris.** (2014) "Micro-Raman Characterization of Effects of Zn Alloying and of in Doping to CdTe". *International Journal of Materials and Chemistry*, 4(2), 27-33  
**DOI:** [10.5923/j.ijmc.20140402.02](https://doi.org/10.5923/j.ijmc.20140402.02)
- J.17. **N. Laskaris, I. Liritzis, M. Bonini, F. Ridi, R. Kersting, F. Al-Otaibi.** (2017) "AFM and SIMS

surface and cation profile investigation of archaeological obsidians: new data". *Journal of Cultural Heritage*, 25, p 101-112

**DOI:** [10.5281/zenodo.3457526](https://doi.org/10.5281/zenodo.3457526)

- J.18. **Th. Ganetsos, A. Regkli, N. Laskaris, I. Liritzis** (2019) "Spectroscopic Study of Colour Traces in Marble Sculptures and Architectural Parts of Monuments Of Archaic Period In Delphi, Greece". *Mediterranean Archaeology and Archaeometry*, Vol. 19, No 3, pp. 51-61

**DOI:** [10.5281/zenodo.3457526](https://doi.org/10.5281/zenodo.3457526)

- J.19. **S. Mouzakiotou, N. Laskaris, Th. Ganetsos**. (2020) "Research Study in Two Unpublished Artworks of the Important Greek Artist Theofilos Hadjimichael (1870-1934)". *International Journal of Arts*, 10(2): 27-32

**DOI:** [10.5923/j.arts.20201002.01](https://doi.org/10.5923/j.arts.20201002.01)

- J.20. **I. Liritzis, N. Laskaris, A. Vafiadou, I. Karapanagiotis, P. Volonakis, C. Papageorgopoulou, M. Bratitsi**. (2020) "Archaeometry: An Overview". *Scientific Culture*, Vol. 6, No. 1, pp. 49-98

**DOI:** [10.5281/zenodo.3625220](https://doi.org/10.5281/zenodo.3625220)

- J.21. **N. Laskaris, I. Varalis, C. Tsodoulos, C. Dolmas**. (2020) "Evidence of Au–Hg Gilding Process in Post Byzantine Ecclesiastical Silverwares (Chalices) Of Eastern Thessaly By pXRF". *Mediterranean Archaeology and Archaeometry*, Vol. 20, No 1, pp. 189-203

**DOI:** [10.5281/zenodo.3605677](https://doi.org/10.5281/zenodo.3605677)

- J.22. **E. Christopoulou, N. Laskaris, Th. Ganetsos** (2020) "Pigment Identification of Two Post-Byzantine Icons of Theodoros Poulakis by pXRF And Raman Spectroscopy: Case Study". *Scientific Culture*, Vol. 6, No. 2, pp. 65-72

**DOI:** [10.5281/zenodo.3785044](https://doi.org/10.5281/zenodo.3785044)

- J.23. **P. Lampropoulou, N. Laskaris, P. Petrounias, P. Giannakopoulou, A. Rogkala, A. Kalampounias, P. Tsigrou, Ch. Katagas, I. Iliopoulos**. (2020) "Petrogeochemical approaches to the characterization of obsidian derived from Nychia area (Milos Island, Greece) using combined methods", *Microchemical Journal*, 156, 104843

**DOI:** [10.1016/j.microc.2020.104843](https://doi.org/10.1016/j.microc.2020.104843)

**P. Petrounias, A. Rogkala, P. Giannakopoulou, P. Lampropoulou, P. Koutsovitis, N. Koukouzas, N. Laskaris, P. Pomonis, K. Hatzipanagiotou**. (2020) "Removal of Cu (II) from Industrial Wastewater Using Mechanically Activated Serpentinite". *Energies*, Volume 13, Issue 9, 2228, **DOI:** [10.3390/en13092228](https://doi.org/10.3390/en13092228)

- J.24. **N. Laskaris & I. Liritzis**, (2020) "Surface and interface investigation of archaeological obsidian artefacts with tof-sims: case study", *Scientific Culture*, Vol. 6, No. 3, pp. 85-99

**DOI:** [10.5281/zenodo.3742358](https://doi.org/10.5281/zenodo.3742358)

### International Conferences

- IC.1. **Th. Ganetsos, N. Laskaris, Ch. Lontos, B. Kotsos**. "Mass spectrum analysis of L.M.A.I.Ss using a novel software by Matlab". *18<sup>th</sup> International Vacuum Nanoelectronics Conference, 10- 14 July 2005, St. Catherine's College, Oxford, UK*
- IC.2. **Th. Ganetsos, L. Bischoff, W. Pilz, Ch. Akmaliev, N. Laskaris, B. Kotsos**. "Temperature Dependence on the Emission characteristics of a AuGe Liquid Metal Alloy Ion Source". *6<sup>th</sup> International Conference of the Balkan Physical Union 22 – 26 August 2006, Istanbul, Turkey*
- IC.3. **Th. Ganetsos, B. Kotsos, L. Bischoff, N. Laskaris**. "Liquid Metal Alloy Ion Sources: Mechanism and Applications". *RADECS 2006 (Radiation Effects on Components and Systems), 27 – 29 September 2006, Athens, Greece*
- IC.4. **K. Watanabe, M. Suzuki, I. Liritzis, T. Ganetsos, S. Novak, N. Laskaris, K. Sasaki, N. Ikeya**. "Hydrogen ion profiling of obsidian hydration layer using secondary ion mass spectrometry". *18<sup>th</sup> Indo-Pacific Prehistory Association (IPPA) Congress, March 20-26 2006, Manila*
- IC.5. **I. Lirintzis, Th. Ganetsos, N. Laskaris, M. Suzuki, K. Watanabe**. "SIMS-SS dating method: new physical principles and determination criteria of surface saturation layer in hydrated obsidians". *16<sup>th</sup> International Conference on Secondary Ion Mass Spectrometry (SIMS XVI), 29/10 – 2/11 2007, Kanazawa, Japan*
- IC.6. **D. Grambole, W. Pilz, Th. Ganetsos, I. Liritzis, N. Laskaris**. "Comparison between SIMS and NRA for obsidian hydration dating purposes". *3<sup>rd</sup> International Conference Micro & Nano 2007 on Microelectronics, Microsystems & Nanotechnology, 18-21 November 2007, Athens, Greece*
- IC.7. **I. Liritzis, N. Laskaris, M. Bonini**. "Nano- and Micro- scale resolution in ancient obsidian artifact surfaces: The impact of AFM on the obsidian hydration dating by SIMS-SS". *3<sup>rd</sup> International Conference Micro & Nano 2007 on Microelectronics, Microsystems & Nanotechnology, 18- 21 November 2007, Athens, Greece*
- IC.8. **I. Liritzis, C. Stevenson, N. Laskaris, W. Ambrose, S. Novak, Th. Ganetsos**. "IR-PAS and SIMS of obsidians: aspects on alternative dating and average palaeotemperature determination:



- Preliminary results". *The Dating and Provenance of Obsidian and Ancient Manufactured Glasses International Specialized Workshop, 21-24 Febr 2008, Delphi, Greece*
- IC.9. **I. Liritzis, N. Laskaris.** "Further assessment of the SIMS-SS obsidian hydration dating method". *The Dating and Provenance of Obsidian and Ancient Manufactured Glasses International Specialized Workshop, 21-24 Febr 2008, Delphi, Greece*
- IC.10. **Th. Ganetsos, B. Kotsos, I. Liritzis, M. Novak, N. Laskaris.** "Diffusion phenomena in Non-crystalline obsidian samples and applications in the dating of ancient obsidian tools by SIMS and FT-IR". *9<sup>th</sup> International Workshop on Non-Crystalline Solids, Porto, April 27- 30, 2008*
- IC.11. **K. Kalovrektis, Th. Ganetsos, E. Fountas, NYA Shammis, I. Taylor, J. Andonopoulos, N. Laskaris, A. Gkotsinas.** "Development of a Wireless embedded system to reduce the influence of Gaussian noise and 50Hz power line noise in electromyography (EMG)". *13<sup>th</sup> WSEAS International Conference on Circuits, 22- 24 July 2009, Rodos, Greece*
- IC.12. **I. Liritzis, N. Laskaris.** "The novel SIMS-SS obsidian hydration dating method: New results and additional suitability criteria". *38<sup>th</sup> International Symposium on Archaeometry, Tampa USA, May 10-14, 2010*
- IC.13. **N. Zacharias, G. Mastrotheodoros, M. Katsiotis, N. Laskaris.** "Glazed pottery surfaces under the microscope: Which criteria to decide about archaeological and modern items". *38<sup>th</sup> International Symposium on Archaeometry, Tampa USA, May 10-14, 2010*
- IC.14. **Th. Katsaros, E. Meramveliotaki, Th. Ganetsos, N. Laskaris.** "A Study of Artifacts of Semiprecious Stones Using Raman Spectroscopy". *2<sup>nd</sup> International Symposium on Archaeological Survey and New Technologies 21- 23 October 2012, Kalamata, Greece*
- IC.15. **F. Mavridis, N. Laskaris, A. Papadea, O. Apostolikas, K. Trantalidou, G. Kotzamani, P. Karkanis, Y. Maniatis, I. Liritzis, L. Kormazopoulou.** "Anonymous Cave Of Schisto at Keratsini: Dating Of Obsidian Samples Oriented From Late Pleistocene-Early Holocene Deposits With The SIMS-SS Method". *2<sup>nd</sup> International Symposium on Archaeological Survey and New Technologies 21- 23 October 2012, Kalamata, Greece*
- IC.16. **Th. Ganetsos, J. Rysz, N. Laskaris.** "Surface and Interface investigation using ToF-SIMS of archaeological obsidian artefacts". *International Scientific Conference eRA-9, Piraeus, Greece 22- 24 September 2014*
- IC.17. **Th. Ganetsos, N. Laskaris.** "Work function measurements using Scanning Kelvin Probe microscopy". *International Scientific Conference eRA – 10, Piraeus, 23- 25 September 2015*
- IC.18. **N. Laskaris, Th. Ganetsos.** "Work function measurements of CdTeZn Samples using

- Scanning Kelvin Probe Microscopy". *International Conference Science in Technology, SCinTE 2015, 5-7 November 2015, Athens*
- IC.19. **I. Liritzis, N. Laskaris, M. Bonini, F. Ridi, R. Kersting, F. Alotaibi.** "AFM and SIMS surface and cation profile investigation of archaeological obsidians: New data". *SIMS Europe 2016 September 18 - 20, 2016*
- IC.20. **Th. Ganetsos, N. Laskaris, P. Sklavos, D. Anestopoulos.** "Analysis of organic resins, coatings and decoratives in a lyre-guitar of 19th Century prior to restoration". *9<sup>th</sup> International Congress on the Application of Raman Spectroscopy in Art and Archaeology (RAA2017), 2017, Evora*
- IC.21. **N. Laskaris, Th. Ganetsos and M. Perraki.** "Non - Destructive Techniques Applications in Culture Heritage". *eRA - 12, October 24 - 26, 2017, Athens*
- IC.22. **N. Laskaris, N. Boukas, Th. Ganetsos, M. Perraki.** "XRF and Raman analysis of pigments in two manuscripts from byzantine and post-byzantine period". *XIII GeoRaman Conference, Catania - June 10-14 2018*
- IC.23. **N. Gkoutas, T.Ganetsos, M. Peraki, D. Tseles, N. Laskaris.** "Application of Non-destructive Techniques (Raman Spectroscopy and XRF) into an Icon by Michael Damaskinos". *Euromed 2018, International Conference on Cultural Heritage, October 29th - November 3rd, 2018, Cyprus*
- IC.24. **K. Koutliani, T. Ganetsos, C. Merkouri, M Peraki, N. Laskaris.** "Pigments Identification in Oil Paintings of 18th-19th Century from the Museum of Post Byzantine Art of Zakynthos Using Raman Spectroscopy and XRF". *International Conference on Cultural Heritage, October 29th - November 3rd, 2018, Cyprus*
- IC.25. **I. Varalis, N. Laskaris, C Tsodoulos, C. Dolmas.** "Non-destructive Analysis Techniques of Ecclesiastical Silverwares from Eastern Thessaly: Preliminary Results from the Aghia Region". *13<sup>th</sup> International Scientific Conference eRA-2018, 21-23 November 2018, Athens*
- IC.26. **N. Laskaris, A. Zafeira, Th. Ganetsos.** "Application of Non-destructive Techniques (Raman, XRF) into an Icon by Constantine Tzanes Bounialis". *13<sup>th</sup> International Scientific Conference eRA-2018, 21-23 November 2018, Athens*
- IC.27. **I. Varalis, N. Laskaris, C. Tsodoulos, C. Dolmas.** "Ecclesiastical Silver in Thessaly and Serbia during the Sixteenth and Seventeenth Centuries: Convergences and Divergences". *18<sup>th</sup> International Symposium "Nis and Byzantium XVIII", Nis University Hall, 3-5 June, 2019*
- IC.28. **Th. Ganetsos, J. Kovác, J.Jr. Kovác, L Bousiakou, R. Qindeel, W.A. Farooq, N. Laskaris.**

- “Optical Properties of ZnO: Cu nanowires for optoelectronic applications”. *International Conference on Solar Energy Systems August 13-14, 2020, Venice, Italy*
- IC.29. **E. Christopoulou, T. Ganetsos, N. Laskaris.** “Non-destructive XRF and Raman spectroscopy analysis in pigment identification of wall paintings of the painter Nikiforos Lytras from the church of Agios Georgios, Haidari, Athens”, *7th Balkan Symposium on Archaeometry, 22-25 September 2020, University of West Attica, Athens*
- IC.30. **Th. Ganetsos, I. Lukacevic, A. Matanic, N. Laskaris.** “Pigment identification in paintings by from J. F. Mücke, using Raman spectroscopy: an arts/science project”, *7th Balkan Symposium on Archaeometry, 22-25 September 2020, University of West Attica, Athens*
- IC.31. **P. I. Stavroulakis, K. Sadr, K. Naseb, Th. Ganetsos, N. Laskaris.** “Digital preservation and accurate 3D reproduction of rare archaeological San skull specimen”, *7th Balkan Symposium on Archaeometry, 22-25 September 2020, University of West Attica, Athens*

#### Local Conferences (in Greek)

- LC.1. **I. Liritzis, Th. Ganetsos, N. Laskaris.** “Dating of Obsidian tools by water diffusion (SIMS-SS) with a Novel Software”. *Advances in Nuclear Physics, vol 13, 2004, Proceedings of the 14<sup>th</sup> Hellenic Symposium on Nuclear Physics 21-22 May 2004, Hellenic Nuclear Physics Society*
- LC.2. **I. Liritzis, Th. Ganetsos, N. Laskaris, C.M. Stevenson, S. Novak.** “Diffusion phenomena in solids and applications in the dating of ancient obsidian tools”. *XXI Πανελλήνιο Συνέδριο Φυσικής Στερεάς Κατάστασης & Επιστήμης Υλικών. 28- 31 Αυγούστου 2005 Λευκωσία, Κύπρος*
- LC.3. **Th. Ganetsos, L. Bischoff, N. Laskaris, C.A. Lontos and B. Kotsos.** "A study of a tin liquid metal ion source". *XXI Πανελλήνιο Συνέδριο Φυσικής Στερεάς Κατάστασης & Επιστήμης Υλικών. 28- 31 Αυγούστου 2005 Λευκωσία, Κύπρος*
- LC.4. **Th. Ganetsos, B. Kotsos, L. Bischoff, W. Pilz, N. Laskaris, A. Karatrantou.** “The energy spread of ions drawn from a BiGa liquid metal alloy ion source”. *3<sup>rd</sup> Workshop on NanoSciences & NanoTechnologies 10–12 Ιουλίου 2006 Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης*
- LC.5. **Θ. Γκανέτσος, Β. Κώτσος, L. Bischoff, W. Pilz, Ν. Λάσκαρης, Α. Καρατράντου** “Μηχανισμοί Λειτουργίας σε πηγές Κραμάτων μετάλλων”. *XXII Πανελλήνιο Συνέδριο Φυσικής Στερεάς Κατάστασης & Επιστήμης Υλικών. 24- 27 Σεπτεμβρίου 2006 Πάτρα, Ελλάδα*

- LC.6. **Θ. Γκανέτσος, Β. Κότσος, Α. Ρουμελλιώτη, L. Bischoff, W. Pilz, N. Λάσκαρης Α. Καρατράντου.** "Μελέτη της ενεργειακής κατανομής ιόντων που παράγονται από την πηγή κράματος BiGa και εφαρμογές της στην Μικροηλεκτρική" *10ο Κοινό Συνέδριο Ελλήνων & Κύπριων Φυσικών 1-4 Μαρτίου 2007, Κέρκυρα, Ελλάδα*
- LC.7. **N. Λάσκαρης, I. Λυριτζής.** " Περαιτέρω βελτίωση της μεθόδου χρονολόγησης οψιανών SIMS-SS με μοντελοποίηση της κατανομής κατά βάθος και κριτήρια καταλληλότητας δειγμάτων ". *5<sup>th</sup> Symposium of the Hellenic Society of Archaeometry, 8- 10 October 2008, Athens*
- LC.8. **Δ. Κασελίμης, Κ. Πόταγας, Δ. Μανώλη, Χ. Ρούτσης, N. Λάσκαρης, Α. Καρλή, I. Ευδοκίμης.** "Η αφασία στην κλινική πράξη: μια νευροψυχολογική προσέγγιση", , 23<sup>ο</sup> *Πανελλήνιο Συνέδριο Ελλήνων Νευρολόγων. Θεσσαλονίκη, 14-17 Μαΐου 2009*
- LC.9. **Δ. Μπήκα, Κ. Μαντέλη, Θ. Κατσαρός, Θ. Γκανέτσος, N. Λάσκαρης.** "Εφαρμογή της φασματοσκοπίας Raman στην ταύτιση χρωστικών σε κυκλαδικό ειδώλιο του Εθνικού Αρχαιολογικού Μουσείου". *3ο Συμπόσιο, Αρχαιολογική Έρευνα και Νέες Τεχνολογίες, 3-6 Οκτωβρίου 2012, Καλαμάτα*
- LC.10. **N. Λάσκαρης, Θ. Κατσαρός, Θ. Γκανέτσος, Δ.Θ.Γ. Κατερέλος, P. Vandenaabeele.** "Μελέτη οργανικών υλικών συντήρησης με χρήση των τεχνικών Υπέρυθρης Φασματοσκοπίας (F.T.I.R.) και φασματοσκοπίας Raman". *6ο Συμπόσιο της Ελληνικής Αρχαιομετρικής Εταιρείας, Αθήνα, 16 - 18 Μαΐου 2013*
- LC.11. **N. Λάσκαρης.** "Η Συμβολή της Επιστήμης Υλικών και της Πληροφορικής στην Βελτίωση των Μεθόδων Χρονολόγησης: Η περίπτωση της Χρονολόγησης του Οψιανού". *1ο Πανελλήνιο Συνέδριο Ψηφιοποίησης Πολιτισμικής Κληρονομιάς, Βόλος, 22-2 Σεπτεμβρίου 2015*
- LC.12. **N. Λάσκαρης.** "Παρουσίαση μέρους αρχαιικού υλικού της Βαλλιανείου Επαγγελματικής Σχολής (Β.Ε.Σ.) Ληξουρίου (1917-1977) αποκείμενο στο Τμήμα Τεχνολογίας Ήχου και Μουσικών Οργάνων του Τ.Ε.Ι. Ιονίων Νήσων". *ΙΑ Διεθνές Πανιώνιο Συνέδριο, Κεφαλονιά, 2018*
- LC.13. **N. Λάσκαρης.** "Φυσικοχημικές αναλύσεις σε δύο χειρόγραφα της Ιακωβατείου Βιβλιοθήκης". *Επιστημονικό Συνέδριο: «Τα εκκλησιαστικά αρχεία, πηγή ιστορίας και πολιτισμού της Κεφαλονιάς», Κεφαλονιά, 4-6 Οκτωβρίου 2018*
- LC.14. **N. Λάσκαρης, Θ. Γκανέτσος, Μ. Ντούγκα και Β. Τούλη.** "Αρχαιομετρικές παρατηρήσεις σε μια σαρκοφάγο του Διαχρονικού Μουσείου Λάρισας". *7ο Συμπόσιο Αρχαιομετρίας της Ελληνικής Αρχαιομετρικής Εταιρείας, Αθήνα, 9-12 Οκτωβρίου 2019*