

Curriculum Vitae

Personal information

First name(s)/ Surname(s) **Angheluță Laurențiu – Marian**
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Telephone(s) +40 727 001 419
E-mail laurentiu@inoe.ro ; laurentiu.angheluta@gmail.com
Nationality Romanian
Date of birth 28.03.1983
Gender Male

Work experience

Type of business or sector Research and Development
Employer National Institute for Research and Development in Optoelectronics INOE 2000
Department Optoelectronic Methods and Techniques for Restoration and Conservation of Cultural Heritage
Period 2017-present
Occupation or position held **Scientific Researcher II**
Main activities and responsibilities One of my main areas of interest is in the development of informatics tools for the long term management of the digitization and imaging documentation of cultural heritage assets. This process involves the use of open-source platforms, such as QGIS, for the integration of 3D digitization and imaging documentation of objects, surfaces, monuments, and cultural landscapes. Proficient in using photogrammetry, 3D laser scanning, X-ray imaging or UAV survey with several imaging sensors. Photography (certified) and programming skills allows me to contribute on professional photographic documentation of artifacts and the development of online databases and websites for the management of cultural heritage investigation results and data
Dates 2012 – 2017
Occupation or position held **Scientific Researcher III**
Main activities and responsibilities Development of methods for internet teleoperation, informatic tools for online access to research infrastructure; web programming and database design; 3D digitizing methods (laser scanning and photogrammetry) and imagistic investigations with X Rays; project management, scientific papers and patents; development of non-invasive methods for cultural heritage investigation
Dates 01.04.2009 - 01.10.2012
Occupation or position held **Scientific Researcher**
Main activities and responsibilities Design and development of software for control, monitoring and data acquisition; development and construction of automated investigation devices for cultural heritage; artwork investigation using optoelectronic methods; artefact laser cleaning
Dates 2006 – 2009
Occupation or position held **Research Assistant**
Main activities and responsibilities Design and development of software for control, monitoring and data acquisition; development and construction of automated investigation devices for cultural heritage; artwork investigation using optoelectronic methods; artefact laser cleaning.

Education and training

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| Period | 2008 – 2011 |
| Title of qualification awarded | PhD Graduate in Sciences - Physics |
| Name and type of organisation providing education and training | University of Bucharest, Faculty of Physics – Optics Spectroscopy Plasma Lasers and Electronics Department Thesis project Coroborarea informațiilor generate de tehnici imagistice de investigare non-contact în vederea construcției releveelor complexe pentru restaurare-conservare |

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| Period | 2006-2008 |
| Title of qualification awarded | Master of Physics |
| Name and type of organisation providing education and training | University of Bucharest, Faculty of Physics – Optics Spectroscopy Plasma Lasers and Electronics department Thesis project 'Sistem optoelectronic automatizat de analiza calitativa a suprafetelor cu tehnica LIF' [Automated optoelectronic device for qualitative analysis of the surfaces using the LIF technique] coordinated by dr. eng. Roxana Radvan and prof. dr. Tiberiu Tudor |

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| Period | 2002-2006 |
| Title of qualification awarded | Bachelor of Computer Science and Physics |
| Name and type of organisation providing education and training | West University of Timisoara, Faculty of Computer Science and Physics Bachelor project : 'Laserul cu YAG:Nd in curatarea si diagnosticarea suprafetei unui artefact din piatra' [YAG:Nd Laser in Cleaning and Analyzing of a Stone Decoration's Surface.], coordinated by dr. eng. Roxana Radvan and dr. Madalin Bunoiu |

Certifications and specializations

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| 2021 | UAS flight license EASA OPEN Subcategory A1-A3 |
| 2021 | Three.js Journey (Bruno Simon) – 3D web programming, 40 hours |
| 2021 | Fighting Cultural Heritage Crimes. An Introduction - Universita Ca'Foscari Venezia (eduOpen) |
| 2021 | NETCHER – 3D Reconstruction of Cultural Heritage at Risk – International Online Training Programme |
| 2019 | Entrepreneurship Competences – Certificate No. M 00078358 |
| 2019 | UAV and terrestrial Photogrammetry and Analysis – RedCATCH, Fulpmes, Austria |
| 2018 | Training – "Introduction to ENVI Analytics |
| 2016 | Cultural heritage investigator – Certificate no. L 00039738 |
| 2016 | Trainer – Certificate no. K 00158744 |
| 2016 | Photographer – Certificate no. L 00042575 |
| 2015 | Level 1 Practice Permit for Nuclear Activities (CNDX) |
| 2015 | Training on unmanned airborne vehicle control and data acquisition (LIDAR, photogrammetry, multispectral imaging, infrared imaging) |
| 2015 | Training on X-Ray generator operation and data acquisition |
| 2014 | Level 2 "Radiological safety in practice with ionizing radiation sources", CNCAN no 83/2014 |
| 2014 | Intensive programming course (11 weeks): PHP/MYSQL web programmer 1 |
| 2013 | Intensive programming course (11 weeks): JAVA Fundamentals 1 |
| 2010 | Study scholarship at Demokritos University of Thrace, Xanthi, Greece – april – august 2010; on mathematical models for the correlation of the photonic investigation data |
| 2009 | Training at Polytec, Waldbronn – Germany, on laser doppler vibrometers |
| 2008 | Training at ENEA institute, Frascati – Italy, on LIBS technique experiments for qualitative and quantitative analysis |

Personal skills and competences

PC Skills

Programming languages

JAVA SE, Pascal, Delphi, C++, Visual Basic

Automation software

Labview

Data processing

QGIS, ENVI

3D processing, editing, printing

Agisoft Metashape, 3D Studio Max, Blender, Meshlab, CloudCompare, ZEdit Pro, ZPrint

WEB development

Wordpress, HTML5, PHP, CSS, JavaScript, JQuery, ThreeJS

Database development

MySQL, MsAccess

Graphic editing

Adobe Photoshop, Adobe Lightroom

Video editing

Shotcut, Adobe Premiere, Camtasia Studio, Movie Maker, Vdub

Data acquisition and processing

(in situ and in lab)

Photogrammetry: close-range, aerial, macro

3D laser scanning: Surphaser, NextEngine HD

3D print: ZPrint 450, 3D Kreator Motion

UAV (LIDAR, multispectral, thermic, photo)

Technical photography (product, macro, architecture)

X-ray imaging: ISOVOLT 160M1

Mother tongue(s)

Romanian

Other language(s)

English [very good]

Professional organizations

ISPRS - International Society of Photogrammetry and Remote Sensing

CIPA Heritage Documentation

Editorial Board member - Cercetări Arheologice Journal

EUROPEANA Network Association (Research, Education, Technological developments)

Romanian Society for Photogrammetry and Remote Sensing (since 2022)

National projects coordinator

PN-III-P2-2.1-PED-2016-1407 - Platformă digitală integrată pentru valorizarea peisajului cultural din Munți Buzăului. Studiu de caz: cadrul natural și monumentele istorice din zona Aluniș-Bozioru

PN-II-PT-PCCA-2013-4-0495 – Centru pentru valorizarea proiectelor cultural-științifice în arheologie

Experience in field campaigns (selection)

“Istoria Negoțului Românesc” fresco from Aula Magna in Bucharest Academy of Economic Studies (2021)
Golești Museum, Argeș county (2020)
Episcopal Cathedral St. Hierarch Nicholas – Râmnicul Episcopii (2019)
Rupestral complex in Aluniș-Bozioru (2017-2018)
Ulpia Traiana Sarmizegetusa (2015-2017)
Parroquia Arciprestal Basilica Santa Maria (Morella, Spain) (2016)
Mezquita (Córdoba, Spain) (2016)
Omnium Sanctorum, Santa Maria Magdalena (Sevilla, Spain) (2016)
Heroes Ensemble in Târgu Jiu (2015 - 2019)
Church B4, Basarabi-Murfătar, Constanta
Martyr’s Monument in Moisei, Maramureș
Workshop at Sf. Stefan din Nessebar – Bulgaria
Workshop at CHRESP 2008 in Ljubljana, Slovenia
Mosaic edifice in Constanța
Painted tombs in Constanța
Fundeni Doamnei Church in Bucharest
Lady’s Church in Bucharest

Awards

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| 2018 | Gold medal – Salonul de inventii si inovatii “Traian Vuia” Timisoara for the patent “Sistem aerian de investigare radar de la joasă altitudine, pentru aplicații în investigarea patrimoniului cultural construit și arheologie” |
| 2018 | Gold medal – Salonul de inventii si inovatii “Traian Vuia” Timisoara for the patent “Dispozitiv optoelectronic si procedeu pentru masurarea si analiza calitativa a suprafetelor interioare ale obiectelor de arta si arheologice cu tehnica LIF” |
| 2018 | Gold medal – Salonul de inventii si inovatii “Traian Vuia” Timisoara for the patent “Metoda de control a planeitatii documentelor” |
| 2018 | Gold medal – Salonul de inventii si inovatii “Traian Vuia” Timisoara for the patent “Sistem de investigare radar in plan vertical cu aplicare in analiza constructiilor istorice” |

Bibliography and scientific conferences

Patents

1. [RO125258-A2] Autolaborator pentru investigare, diagnosticare, monitorizare si restaurarea componentelor de patrimoniu - Striber J., Angheluta L., Radvan R., Deciu C., Simileanu M., Ene D., Savastru R.
2. [RO125260-A2] Dispozitiv optoelectronic si procedeu pentru analiza stratigrafica a compozitiei chimice a materialului straturilor superficiale ale obiectelor de arta cu tehnica LIBS - Striber J., Angheluta L., Radvan R., Simileanu M., Savastru R.
3. [RO125259-A2] Dispozitiv optoelectronic si procedeu pentru analiza calitativa a suprafetelor obiectelor de arta cu tehnica LIF - Striber J., Angheluta L., Radvan R., Simileanu M., Savastru R.
4. [RO127589-A2] Sistem complex, teleoperat prin Internet, de investigare a operelor de arta utilizand fluorescenta indusa cu ajutorul laserului - Angheluta L., Moldovan A., Ene D., Radvan R., Savastru R.
5. [RO126708-A2] Procedeu de asociere a informatiilor de tip imagistic obtinute in urma investigatiilor nedistructive, noninvasive, realizate cu tehnici fotonice - Angheluta L., Ene D., Radvan R., Savastru R.
6. [RO129590-A2] Metodă cu diodă laser pentru controlul planeității documentelor - Radvan R., Ene D., Angheluta L.
7. [RO127775-A2] Sistem de investigare radar in plan vertical, aplicabil in evaluarea cladirilor istorice - Ratoiu L., Angheluta L., Ene D.
8. [RO129317-A2] Dispozitiv optoelectronic si procedeu pentru masurarea si analiza calitativa a suprafetelor interioare ale obiectelor de arta si arheologice cu tehnica LIF - Radvan R., Ene D., Ratoiu L., Angheluta L.

Books and chapters

1. Chapter: Roxana Rădvan, Lucian Cristian Ratoiu, Laurențiu Marian Angheluță, Traces of Ancient Memory. Virtual Archaeodrome for the Valorization of the Archaeological Heritage of Dobrogea, In Honorem Sabina Ispas – Cunoașterea “culturii profunde”. Paradigme actuale, Editura Etnologică, București, 2021
2. Chapter: Laurențiu Marian Angheluță, Alexandru Chelmuș, Investigații aeriene. Coroborarea datelor rezultate în QGIS, Cercetări multidisciplinare pentru evaluarea stării de conservare a unor situri rupestre din zona Aluniș-Bozioru (Munții Buzău) incluse în patrimoniul cultural național, Seria I never knew about..., vol IV, Editura Top Form, ISBN 978-606-8550-68-8, Editura Univers Științific ISBN 978-973-1944-58-6
3. Chapter: Laurențiu Marian Angheluță, Documentarea 3D a siturilor rupestre, Cercetări multidisciplinare pentru evaluarea stării de conservare a unor situri rupestre din zona Aluniș-Bozioru (Munții Buzău) incluse în patrimoniul cultural național, Seria I never knew about..., vol IV, Editura Top Form, ISBN 978-606-8550-68-8, Editura Univers Științific ISBN 978-973-1944-58-6
4. Laurențiu Marian Angheluta, 2019. Practical Guide and Applications of Photogrammetry in Cultural Heritage 3D digitization, Editura Mega, ISBN 978-606-020-106-9
5. e-book: “The Assumption of the Holy Virgin” Church of Tismana Monastery – Documentation and Investigations – Part II 2012-2016, R. Radvan, L.C. Ratoiu, A. Chelmuș, M. Dinu, I. Cortea, L. Ghervase, L. Constantin, C. Constantin, C. Stancu, Laurențiu Angheluta - Ed. Univers Științific ISBN: 978-973-1944-58-6, Ed. Top Form ISBN: 0978-973-7626-82-0 (2016)
6. e-book: “The Assumption of the Holy Virgin” Church of Tismana Monastery – Documentation and Investigations – Part I 2009-2011, R. Radvan, M. Dumbraviciu, L.C. Ratoiu, I. Oltanu, D. V. Ene, I. Ivanescu, L. M. Angheluta, M. Simileanu, I. Marcel, L. Constantin – Ed. Univers Științific ISBN 978-973-1944-58-6, Ed. Top Form ISBN: 978-973-7626-84-4
7. e-book: “The Holy Great Sovereigns Constantine and Helen Church” of Magurele, Ilfov County, Romania – Part 1 – Preparative Research, R. Radvan, L.C. Ratoiu, A.S. Moldovan, D. V. Ene, M. Simileanu, L. M. Angheluta, S. Petrescu, M. Arhip - Ed. Univers Științific ISBN: 978-973-1944-58-6, Ed. Top Form ISBN: 978-973-7626-83-7
8. Collaborative Control Concept for a Teleoperated Field Investigation Platform in the Conservation of Artworks, Laurențiu Angheluta – The unknown face of the artwork, Editors: Roxana Rădvan, Sevim Akyüz, Monica Simileanu, © Istanbul: Istanbul Kültür University, (2012), ISBN 978-605-4233-94-6, (2012)

Published papers

1. L. Ghervase, M. Dinu, C. Borș, L.M. Angheluță, R. Rădvan, I.M. Cortea, Investigation on metal adornments from ancient Eastern Europe. *Frontiers in Materials*. 7, 600913, 2020
2. L.M. Angheluță, R. Rădvan, 3D digitization of translucent materials in cultural heritage objects: a comparative study between laser scanning and photogrammetry, *Romanian Journal of Physics*, 65, 906, 2020
3. L.M. Angheluță, A. Chiroșca, Physical degradation detection on artwork surface polychromies using Deep Learning models, *Romanian Reports in Physics*, Vol. 72, 805, 2020
4. Angheluță, L. M. and Rădvan, R.: Macro photogrammetry for the damage assessment of artwork painted surfaces, *Int Arch. Photogramm. Remote Sens. Spat. Inf. Sci.*, XLII-2/W15, 101–107, <https://doi.org/10.5194/isprs-archives-XLII-2-W15-101-2019>, 2019
5. A. Gómez-Moron, P. Ortiz, R. Ortiz, J. Becerra, R. Gómez-Cañada, R. Radvan, A. Chelmuș, L. Ratoiu, L. Ghervase, I.M. Cortea, C. Constantin, L. Angheluta - Non-destructive techniques applied to in situ study of Maqsurat at Cordoba cathedral (Spain), *Science and Digital Technology for Cultural Heritage - Interdisciplinary Approach to Diagnosis, Vulnerability, Risk Assessment and Graphic Information Models*, Proceedings of the 4th International Congress Science and Technology for the Conservation of Cultural Heritage (TechnoHeritage 2019), March 26-30, 2019, Sevilla, Spain
6. A. Tirado-Hernández, J. Becerra, R. Ortiz, P. Ortiz, A. Gomez-Moron, L. Ghervase, I. Cortea, L. Angheluta, R. Radvan - Non-destructive techniques applied to the study and diagnosis of ceramic and glazed terracotta tombs in Omnium Sanctorum church (Seville, Spain), *Science and Digital Technology for Cultural Heritage - Interdisciplinary Approach to Diagnosis, Vulnerability, Risk Assessment and Graphic Information Models*, Proceedings of the 4th International Congress Science and Technology for the Conservation of Cultural Heritage (TechnoHeritage 2019), March 26-30, 2019, Sevilla, Spain

7. L. M. Angheluta, 3D reconstruction of archaeological artefacts from 2-D X-ray images - Optoelectronics And Advanced Materials – Rapid Communications, Vol. 12, No. 11-12, Nov.-Dec. 2018, p. 705 - 712, ISSN 2065-3824
8. A. Chelmus, R. Radvan and L. Angheluta, "Aerial Investigations Corroboration for Archaeology and Monuments," 2018 11th International Conference on Developments in eSystems Engineering (DeSE), Cambridge, United Kingdom, 2018, pp. 113-116. doi: 10.1109/DeSE.2018.00024
9. R. Radvan, L. Ratiu, I. M. Cortea, A. Chelmus, L. Angheluta and D. Marinescu, "Multi-step Approach for Characterization of Artworks Based on Hyperspectral Imaging and Complementary Techniques," 2018 11th International Conference on Developments in eSystems Engineering (DeSE), Cambridge, United Kingdom, 2018, pp. 117-122. doi: 10.1109/DeSE.2018.00025
10. Laurențiu-Marian Anghelută, Roxana Rădvan, Multi- and inter- disciplinary approaches in the scientific documentation and monitoring of cultural heritage assets - Annals of "Dunarea de Jos" University of Galati, mathematics, physics, theoretical mechanics, Fascicle II, year X (XLI) 2018, no. 2, p. 121, ISSN 2067 - 2071
11. Virtual archaeodrome for the archaeological site from Ulpia Traiana Sarmizegetusa, L.M. Angheluta, R. Radvan, A.I. Chelmus, L.C. Ratiu, I.M. Cortea, L. Ghervase - Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci., Vol.: XLII-5-W1, 2017, pages: 351-356, ISSN: 2194-9034
12. Integrated Digital Platform for the Valorization of a Cultural Landscape, L. M. Anghelută, L. Ratiu, A. I. Chelmus, R. Rădvan, and A. Petculescu, Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci., Vol. XLII-5-W1, 2017, pages: 389-393, ISSN: 2194-9034
13. 3D digitization of an antique decorative textile artifact using photogrammetry, L. M. Angheluta, R. Radvan – Romanian Reports in Physics, - vol 69 (801), nr 3, 2017, pages: 1-10, ISSN: 1841-8759
14. X-Ray imagistic investigation of historical military artifacts, L. M. Angheluta, A.I. Chelmus - Restitutio-„PRIMUM NON NOCERE” - Restaurarea patrimoniului față în față cu „vârstele” acestuia , ISSN 2065-2992, 2016
15. Analysis of radio wave propagation in soil with applications in archeology, A.I. Chelmus, D.V. Ene, L. M. Angheluta - Romanian Reports in Physics, vol. 68, no. 2, pp. 813-821, ISSN 1221-1451 43 822 , 2016
16. LDV data interpretation and validation protocols, A. I. Chelmus, R. Radvan, L. M. Angheluta, L. C. Ratiu - Restitutio- „PRIMUM NON NOCERE” - Restaurarea patrimoniului față în față cu „vârstele” acestuia , ISSN 2065-2992, 2016
17. An Interdisciplinary Field Campaign For Modern Investigation And Monitoring In Preservation And Restoration, Angheluta, Laurentiu-Marian; Ene, Dragos Valentin - International Journal of Conservation Science Volume: 6 Pages: 455-464, 2015
18. CERES – Centru pentru valorizarea proiectelor cultural-stiintifice în arheologie, L. M. Angheluta, Restitutio-„PRIMUM NON NOCERE” - Restaurarea patrimoniului față în față cu „vârstele” acestuia , ISSN 2065-2992, 2015
19. Folkmedia: a modern approach on preservation of romanian folklore archive - M Simileanu, S. Ispas, L. C. Ratiu, L. M. Angheluta, C. Neamu, International Journal of Conservation Science, vol. 6, no. 2, pp. 201-208, ISSN 2067-533X, 2015
20. Multi-Purpose Online Instrument For A Conservation-Restoration Mobile Research Laboratory, Laurentiu Angheluta, D. Ene - Romanian Journal of Physics, Volume: 60 Issue: 9-10 Pages: 1606-1617, 2015
21. Open-restoration site – modern intervention, trainings and long term monitoring processes, Laurentiu-Marian Angheluta, Dragos-Valentin Ene, Roxana Radvan, Monica Simileanu, Lucian Ratiu - Restitutio: Realities and solutions of the specialists in the heritage conservation and restaoraion domain, in 2014 Romania, nr.8, 2014, ISSN 2065-2992, pg: 34-37
22. Open access platform for in situ campaigns. Case study for martyrs' monument from Moisei, Maramures, Romania, Simileanu, Monica; Angheluta, Laurentiu M.; Cortea, Ioana M.; et al. - University Politehnica Of Bucharest Scientific Bulletin- Series A-Applied Mathematics And Physics Volume: 76 Issue: 3 Pages: 245-252 (2014)
23. Online platform of control, monitoring and e-learning for conservation-restoration resources –Laurentiu Angheluta, Dragos Ene - Proceedings of The Second International Conference on E-Learning and E-Technologies in Education (ICEEE2013), pp. 308-312, ISBN 978-1-4673-5093-8 (c) , 2013
24. Using Virtual World Environments in Conservation-Restoration – L. M. Angheluta, 2013 Sixth International Conference on Developments in eSystems Engineering, Abu Dhabi, 2013, pp. 221-224, ISSN 2161-1343
25. The teleoperation of a LIF scanning device - L. M. Angheluta, A. Moldovan, R. Radvan, The teleoperation of a LIF scanning device, U.P.B. Sci. Bull., Series A, 73/4 (2011) 193 -200.
26. New Perspectives for Cultural Heritage Conservation Raised beyond Advanced Science and IT - Dragos-Valentin Ene, Roxana Radvan, Laurentiu-Marian Angheluta, Adrian-Septimiu Moldovan, 2010 Developments in E-systems Engineering, vol. 00, no. , pp.616-620, 2011, ISBN: 978-0-7695-4593-6
27. A Theoretical Approach Based on the Correlation of Unified Data for Different Analyzing Techniques Used in the Modern Investigation of Artworks – Laurentiu Angheluta, Alexandros Rigas, 2010 Developments in E-systems Engineering, London, 2010, pp. 89-92, ISBN: 978-1-4244-8044-9
28. Digital mapping of on-site related photonic investigations over a 3-D surpface area – Laurentiu M. Angheluta, Roxana Radvan, Dragos Ene, Coalition, no.2, july 2010, p. 7-11
29. Laser spectroscopy methods for an 18th century grisaille painting investigation – J. Striber, R. Radvan, L. -M. Angheluta, Journal of Optoelectronics and Advanced Materials, Vol. 11, No. 11, November 2009, p.1815-1820
30. Early Fungal Contamination Tracking – Laurentiu Angheluta, J. Striber, R. Radvan, I. Gomoiu, V. Dragomir, M. Simileanu, International Journal of Systems Applications, Engineering & Development, Issue 4, Volume 2, ISSN: 2074-1308, 2008
31. Automated Optoelectronic Device for Qualitative Analysis of the Artwork Surfaces using the LIF technique, Laurentiu Angheluta, Joakim Striber, Roxana Radvan, Monica Simileanu – Romanian Reports in Physics, Vol 60, No. 4, 2008. ISSN: 1221-1451
32. Advanced Research Technology for Art and Archaeology – ART4ART mobile laboratory, Monica Simileanu, Walter Maracineanu, Joakim Striber, Cristian Deciu, Dragos Ene, Laurentiu Angheluta, Roxana Radvan, Roxana Savastru, Journal of Optoelectronics and Advanced Materials, vol 10, no. 2, febr. 2008
33. Non-Contact and Non-Invasive Photonic Device for Qualitative Fungal Contamination Control, Laurentiu Angheluta, Joakim Striber, Roxana Radvan, Ioana Gomoiu, Vivian Dragomir – Proceeding MCBC'08 Proceedings of the 9th WSEAS International Conference on

34. Laser cleaning of XVIIIth C. parchment with polychrome inscriptions, M. Simileanu, Georgia Avgerinidou, Laurentiu Angheluta, R. Radvan, L. Miu, J. Striber - Optoelectronics and Advanced Materials - Vol.2, No.9, Septembrie 2008, Pg. 587- 592 ISSN 1842-6573
35. Monitoring and Prediction of Cultural Heritage Artifacts Conservation Status, R.Radvan, D.Ene, W.Maracineanu, M.Simileanu, C.Deciu, L.Angheluta, J.Striber, V.Dragomir - The e-Journal of Nondestructive Testing - Proceedings of The 9th Int. Conference on NDT of Art 2008 Jerusalem, Israel, Mai 2008, 2008, ISSN 1435-4934

Oral presentations and posters

1. Laurențiu Angheluță, Versatile mobile laboratory: Investigations on ancient, early medieval and late medieval archaeological sites, An example of MoLab: INOE 2000, Archaeology & Iperion HS webinar, December 2021
2. Laurențiu Angheluță, 3D Digitization practices in Cultural Heritage, Optoelectronics into a powerful economy, October 20-23 2020, Romania
3. Laurențiu Marian Angheluță, Limite și riscuri ale metodelor de digitizare 3D, Sesiunea anuală de comunicări științifice a Institutului Național al Patrimoniului – II Patrimoniu Digital, 11-12 decembrie 2019, București
4. Angheluță, L. M. and Rădvan, R.: Macro photogrammetry for the damage assessment of artwork painted surfaces, 27th CIPA International Symposium "Documenting the past for a better future", 1-5 September 2019, Ávila, Spain
5. Advantages of photogrammetry as a competitive technology for cultural heritage 3D documentation, A. Laurențiu-Marian, Joint ISCP-INDLAS 2018 Conference, 03 - 07 SEPTEMBER, 2018, Alba-Iulia, Romania
6. Data management solutions for complex optoelectronic and inter-disciplinary investigations in cultural heritage, A. Laurențiu-Marian, A.C. Claudia – Cristina, Joint ISCP-INDLAS 2018 Conference, 03 - 07 SEPTEMBER, 2018, Alba-Iulia, Romania
7. Advanced Digital Platform For Multidisciplinary Characterization Of A Cultural Landscape. Rupestral Monuments From Buzău Mountains, Angheluță Laurențiu-Marian, Rădvan Lucian, Chelmuș Alexandru and Petculescu Alexandru, ChemCH2018 5th International Congress Chemistry for Cultural Heritage, Bucharest, July 3-7, 2018
8. L.M. Angheluță, R. Rădvan, Multi- And Inter- Disciplinary Approaches in the Documentation and Monitoring of Cultural Heritage Assets, UGAL International Conference Multidisciplinary HUB for the Higher Education Internationalization by Means of Innovative Interaction with the Labour Market and Society, 26-27 Oct 2018, Galați, România. – poster
9. Virtual archaeodrome for the archaeological site from Ulpia Traiana Sarmizegetusa, L.M. Angheluta, R.Radvan, A.I. Chelmuș, L.C. Rădvan, I.M. Cornea, L. Ghervase - 2017 GEOMATICS & RESTORATION – Conservation of Cultural Heritage in the Digital Era, Florence, Italy, 2017, 22-25 May
10. Integrated digital platform for the valorization of a cultural landscape, Laurențiu Angheluta, R. Radvan, Lucian Rădvan, A. Petculescu - 2017 GEOMATICS & RESTORATION – Conservation of Cultural Heritage in the Digital Era, Florence, Italy, 2017, 22-25 May
11. X-Ray imagistic investigation of historical military artifacts, L. M. Angheluta, A.I. Chelmuș - Restitutio- „PRIMUM NON NOCERE” - Restaurarea patrimoniului față în față cu „vârstele” acestuia , ISSN 2065-2992, 2016
12. CERES – Centru pentru valorizarea proiectelor cultural-științifice în arheologie, L. M. Angheluta, presented la Restitutio- „PRIMUM NON NOCERE” - Restaurarea patrimoniului față în față cu „vârstele” acestuia , București, Romania, November, 2015
13. E-Infrastructure for Cultural Heritage Investigation - R. Radvan, M. Simileanu, D. V. Ene, L. M. Angheluta, poster at GILT-En ART 2015, Evora, Portugal., mai, 2015
14. Relational database design for the digitization of cultural heritage paper documents – Angheluta Laurențiu-Marian – Workshop on the design of virtual centres of Medieval Studies – ISCH COST: IS1005 Medieval Cultures & Technological Resources – WG4 – VCMS Design, april 2013
15. Metoda moderna de vizualizare a investigațiilor fotonice. Studiu de caz: morminte pictate din județul Constanța – Angheluta Laurențiu-Marian, Ene Dragos Valentin, Moldovan Adrian-Septimiu - a XLIVa Sesiune Științifică Internațională Pontică
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