

Curriculum Vitae

Personal information

First name(s) / Surname(s) **Angheluță Laurențiu – Marian**
Address(es) Alexandru Obregia Bd., no. 2B, bl. 2B, sc. 1, apt. 56, Sector 4, Bucharest
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

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
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
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

2019	Photography for 3D modelling of cultural heritage – Tutorial at the 27 th International CIPA Symposium
2019	UAV and terrestrial Photogrammetry and Analysis – RedCATCH, Fulpmes, Austria
2019	Entrepreneurship Competences – Certificate No. M 00078358
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 Demokritus 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
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)	<p>Photogrammetry: close-range, aerial, macro</p> <p>3D laser scanning: Surphaser, NextEngine HD</p> <p>3D print: ZPrint 450, 3D Kreator Motion</p> <p>UAV (LIDAR, multispectral, thermic, photo)</p> <p>Technical photography (product, macro, architecture)</p> <p>X-ray imaging: ISOVOLT 160M1</p>
Mother tongue(s)	Romanian
Other language(s)	English [very good]
Professional organizations	<p>ISPRS - International Society of Photogrammetry and Remote Sensing</p> <p>CIPA Heritage Documentation</p> <p>EUROPEANA Network Association (Research, Education, Technological developments)</p>
National projects coordinator	<p>PN-III-P2-2.1-PED-2016-1407 - Platformă digitală integrată pentru valorizarea peisajului cultural din Munții Buzăului. Studiu de caz: cadrul natural și monumentele istorice din zona Aluniș-Bozioru</p> <p>PN-II-PT-PCCA-2013-4-0495 – Centru pentru valorizarea proiectelor cultural-stiintifice in arheologie</p>
Experience in field campaigns (selection)	<p>Episcopal Cathedral St. Hierarch Nicholas – Râmnicul Episcopcy (2019)</p> <p>Rupestral complex in Aluniș-Bozioru (2017-2018)</p> <p>Ulpia Traiana Sarmizegetusa (2015-2017)</p> <p>Parroquia Arciprestal Basilica Santa Maria (Morella, Spania) (2016)</p> <p>Mezquita (Codoba, Spain) (2016)</p> <p>Omnium Sanctorum, Santa Maria Magdalena (Sevilia, Spain) (2016)</p> <p>Heroes Ensemble in Târgu Jiu (2015 - 2019)</p> <p>Church B4, Basarabi-Murfatlar, Constanta</p> <p>Martryr’s Monument in Moisei, Maramureș</p> <p>Workshop at Sf. Stefan din Nessebar – Bulgaria</p> <p>Workshop at CHRESP 2008 in Ljubljana, Slovenia</p> <p>Mosaic edifice in Constanța</p> <p>Painted tombs in Constanța</p> <p>Fundenii Doamnei Church in Bucharest</p> <p>Lady’s Church in Bucharest</p>
Awards	
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 planeitatiei 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 analizarea 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 nedestructive, 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: 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
2. 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
3. Laurentiu Marian Angheluta, 2019. Practical Guide and Applications of Photogrammetry in Cultural Heritage 3D digitization, Editura Mega, ISBN 978-606-020-106-9
4. 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, Laurentiu Angheluta - Ed. Univers Științific ISBN: 978-973-1944-58-6, Ed. Top Form ISBN: 0978-973-7626-82-0 (2016)
5. e-book: "The Assumption of the Holy Virgin" Church of Tismana Monastery – Documentation and Investigations – Part 1 2009-2011, R. Radvan, M. Dumbravician, L.C. Ratoiu, I. Olteanu, 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
6. 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
7. Collaborative Control Concept for a Teleoperated Field Investigation Platform in the Conservation of Artworks, Laurentiu Angheluta – The unknown face of the artwork, Editors: Roxana Rădvan, Sevim Akyüz, Monica Simileanu, © İstanbul: İstanbul Kültür University, (2012), ISBN 978-605-4233-94-6, (2012)

Published papers

1. 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 – **in evaluation**
2. I.M. Cortea, L. Ratoiu, A. Chelmuș, L.M. Angheluță, T. Mureșan, An integrated and complementary approach for the study of some 18th century repainted Transylvanian icons, X-Ray Spectrometry – **in evaluation**
3. R. Rădvan, A. Chelmuș, L. Angheluță, I.M. Cortea, L. Ratoiu, Practices modernization in monuments conservation by implementing the results of cultural heritage science. Case study – **in evaluation**
4. L.M. Angheluță, A. Chiroșca, Physical degradation detection on artwork surface polychromies using Deep Learning models, Romanian Reports in Physics, Vol. 72(805), pg 1, 2020
5. Angheluță, L. M. and Rădvan, R.: Macro photogrammetry for the damage assessment of artwork painted surfaces, Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci., XLII-2/W15, 101–107, <https://doi.org/10.5194/isprs-archives-XLII-2-W15-101-2019>, 2019
6. 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 Maqsura 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
7. 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

8. 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
9. 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
10. R. Radvan, L. Ratoiu, 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
11. 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
12. Virtual archaeodrome for the archaeological site from Ulpia Traiana Sarmizegetusa, L.M. Angheluta, R. Radvan, A.I. Chelmus, L.C. Ratoiu, I.M. Cortea, L. Ghervase - Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci., Vol.: XLII-5-W1, 2017, pages: 351-356, ISSN: 2194-9034
13. Integrated Digital Platform for the Valorization of a Cultural Landscape, L. M. Anghelută, L. Ratoiu, 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
14. 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
15. 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
16. 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
17. LDV data interpretation and validation protocols, A. I. Chelmus, R. Radvan, L. M. Angheluta, L. C. Ratoiu - Restitutio- „PRIMUM NON NOCERE” - Restaurarea patrimoniului față în față cu „vârstele” acestuia , ISSN 2065-2992, 2016
18. 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
19. 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
20. Folkmedia: a modern approach on preservation of romanian folklore archive - M Simileanu, S. Ispas, L. C. Ratoiu, L. M. Angheluta, C. Neamu, International Journal of Conservation Science, vol. 6, no. 2, pp. 201-208, ISSN 2067-533X, 2015
21. 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
22. Open-restoration site – modern intervention, trainings and long term monitoring processes, Laurentiu-Marian Angheluta, Dragos-Valentin Ene, Roxana Radvan, Monica Simileanu, Lucian Ratoiu - 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
23. 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)
24. 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
25. 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
26. 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.
27. 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
28. 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
29. Digital mapping of on-site related photonic investigations over a 3-D surphace area – Laurentiu M. Angheluta, Roxana Radvan, Dragos Ene, Coalition, no.2, july 2010, p. 7-11
30. 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
31. 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
32. 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
33. 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
34. 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

35. 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
36. 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 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
2. 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
3. Advantages of photogrammetry as a competitive technology for cultural heritage 3D documentation, A. Laurentiu-Marian, Joint ISCP-INDLAS 2018 Conference, 03 - 07 SEPTEMBER, 2018, Alba-Iulia, Romania
4. Data management solutions for complex optoelectronic and inter-disciplinary investigations in cultural heritage, A. Laurentiu-Marian, A.C. Claudia – Cristina, Joint ISCP-INDLAS 2018 Conference, 03 - 07 SEPTEMBER, 2018, Alba-Iulia, Romania
5. Advanced Digital Platform For Multidisciplinary Characterization Of A Cultural Landscape. Rupestral Monuments From Buzău Mountains, Angheluță Laurențiu-Marian, Ratoiu Lucian, Chelmuș Alexandru and Petculescu Alexandru, ChemCH2018 5th International Congress Chemistry for Cultural Heritage, Bucharest, July 3-7, 2018
6. 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
7. Virtual archaeodrome for the archaeological site from Ulpia Traiana Sarmizegetusa, L.M. Angheluta, R.Radvan, A.I. Chelmuș, L.C. Ratoiu, I.M. Cortea, L. Ghervase - 2017 GEOMATICS & RESTORATION – Conservation of Cultural Heritage in the Digital Era, Florence, Italy, 2017, 22-25 May
8. Integrated digital platform for the valorization of a cultural landscape, Laurentiu Angheluta, R. Radvan, Lucian Ratoiu, A. Petculescu - 2017 GEOMATICS & RESTORATION – Conservation of Cultural Heritage in the Digital Era, Florence, Italy, 2017, 22-25 May
9. 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
10. 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 , Bucuresti, Romania, November, 2015
11. 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
12. Relational database design for the digitization of cultural heritage paper documents – Angheluta Laurentiu-Marian – Workshop on the design of virtual centres of Medieval Studies – ISCH COST: IS1005 Medieval Cultures & Technological Resources – WG4 – VCMS Design, april 2013
13. Metoda moderna de vizualizare a investigatiilor fotonice. Studiu de caz: morminte pictate din judetul Constanta – Angheluta Laurentiu-Marian, Ene Dragos Valentin, Moldovan Adrian-Septimiu - a XLIVa Sesiune Stiintifica Internationala Pontica
14. Editing protocol for the digital mapping of related imagistic investigations – L. M. Angheluta, Lasers in the Conservation of Artworks VIII – Radvan et al. (eds) (C) 2011 Taylor & Francis Group, London, ISBN 978-0-415-58073-1, p. 215-219
15. Reprezentare virtuală detaliată a Cavoului Hypogeu de la Constanța – Laurențiu Angheluță, Dragoș Ene, Atelier de lucru privind lucrările de conservare – restaurare ale componentelor artistice la monumente istorice. Al treilea atelier – București 2009
16. A Theoretical Approach Based on the Correlation of Unified Data for Different Analyzing Techniques Used in the Modern Investigation of Artworks – Laurențiu Angheluță, Alexandros Rigas, International Conference on Developments in eSystems Engineering DeSE10, 6-8 september 2010, London, UK
17. Pachet digital de vizualizare a informațiilor investigațiilor complementare – Laurențiu Angheluță, Dragoș Ene, Control și Autocontrol Prezervarea Patrimoniului Cultural, Comunicare in Cercetarea de Excelenta pentru Restaurare prin Tehnici Optoelectronice, 1-3, Nov 2010, Bucuresti, Romania
18. Laserul cu mediu activ solid YAG: Nd în investigarea și restaurarea artefactelor din piatră, Laurentiu Angheluta, Roxana Radvan, Conferinta studenteasca de Stiinta si Tehnologie, mai 2006, Timisoara
19. Multispectral Imaging Applied on Valuable Artwork Objects From Sucevita Monastery and From the "Dimitrie Gusti" Village Museum From Romania, Laurențiu Angheluță, Balkan Symposium on Archaeometry: Science Meets Archaeology & Art History, Ohrid, Republic of Macedonia, sept 2008
20. Laser Spectroscopy Methods' Optimisation for Painting Analysis, Joakim Striber , Angheluta Laurentiu, Roxana Radvan, Ariadna Zec, LIBS 2008 International Conference, Berlin, 21-27 sept 2008
21. Complex LIF and LIBS Mapping on Wooden Painted Objects, Joakim Striber, Laurentiu Angheluta, Monica Simileanu, Roxana Radvan, Dan Mohanu, LIBS 2008 International Conference, Berlin, 21-27 sept 2008
22. Stain Discrimination Using Laser Induced Spectroscopy , Monica Simileanu, Laurentiu Angheluta, Maria Giurginca, Lucretia Miu, Roxana Radvan , Seminar&Workshop CRP 2008, Torino-Italia, sept 2008
23. Monitorizare calitativa nedistructiva a suprafetelor utilizand tehnica LIF, Laurentiu Angheluta, Simpozion National cu participare Internationala: Cercetarea pluridisciplinara si monitorizarea unor monumente din Romania in curs de restaurare, Bucuresti, sept. 2008