

Curriculum vitae

Europass

Personal Information

First names, Surname **Lucian-Cristian Ratoiu**
Address Stadionului Blvd, 16B, 4th floor, ap. 17, Buzău City, Buzău County, Romania
Phone +40 727 892 135
E-mail lucian@inoe.ro lucian_ratoiu@yahoo.com
Nationality Romanian
Date of birth 29. 12.1985
Gender Male

Work Experience

Dates August 2016 - present
Position held Researcher
Main activities and responsibilities Multispectral and Hyperspectral imaging analysis, Thermal Imaging, Ground Penetrating Radar analysis, Elaboration of samples and specimens for the field of artwork conservation, Cold mounting resin samples for cross-section analysis, Consultancy in the field of cultural heritage conservation-restoration
Name and address of the employer National Institute for Research and Development in Optoelectronics – INOE 2000, Măgurele City, Ilfov County, Atomiștilor 409, Romania
Department Optoelectrical Methods and Techniques for Artwork Restoration and Conservation
Dates May 2009 - present
Position held Research assistant
Main activities and responsibilities Multispectral and Hyperspectral imaging analysis, Ground Penetrating Radar analysis, Elaboration of samples and specimens for the field of artwork conservation, Cold mounting resin samples for cross-section analysis, Consultancy in the field of cultural heritage conservation-restoration (ensuring a dialogue between research, theory and practical activities)
Name and address of the employer National Institute for Research and Development in Optoelectronics – INOE 2000, Măgurele City, Ilfov County, Atomiștilor 409, Romania
Department Optoelectrical Methods and Techniques for Artwork Restoration and Conservation

Education and training

Qualification PhD student
Specialization Art History and Theory
Name and type of institution that provided education and training National University of Arts, Faculty of Art History and Theory, Doctoral Studies Department, Bucharest, Romania
Dates 2014 - present

Qualification/diploma obtained	Master of Arts																																									
Specialization	Conservation-Restoration of Artworks																																									
Name and type of institution that provided education and training	National University of Arts, Faculty of Art History and Theory, Department for Conservation-Restoration of Artworks, Bucharest, Romania																																									
Dates	2009 - 2011																																									
Qualification/diploma obtained	Bachelor of Arts																																									
Specialization	Conservation-Restoration of Artworks																																									
Name and type of institution that provided education and training	National University of Arts, Faculty of Art History and Theory, Department for Conservation-Restoration of Artworks, Bucharest, Romania																																									
Dates	2004 - 2008																																									
Mother tongue	Romanian																																									
Other language (s)																																										
Self-assessment																																										
European level (*)																																										
English																																										
French																																										
	<table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="4">Understanding</th> <th colspan="4">Speaking</th> <th>Writing</th> </tr> <tr> <th colspan="2">Listening</th> <th colspan="2">Reading</th> <th colspan="2">Spoken interaction</th> <th colspan="2">Spoken production</th> <th>Expressiveness</th> </tr> </thead> <tbody> <tr> <td>English</td> <td>x</td> <td>C1</td> <td>x</td> <td>C1</td> <td>x</td> <td>B2</td> <td>x</td> <td>C1</td> <td>x</td> <td>C1</td> </tr> <tr> <td>French</td> <td>x</td> <td>A2</td> <td>x</td> <td>A2</td> <td>x</td> <td>A2</td> <td></td> <td>A2</td> <td>x</td> <td>A2</td> </tr> </tbody> </table>		Understanding				Speaking				Writing	Listening		Reading		Spoken interaction		Spoken production		Expressiveness	English	x	C1	x	C1	x	B2	x	C1	x	C1	French	x	A2	x	A2	x	A2		A2	x	A2
	Understanding				Speaking				Writing																																	
	Listening		Reading		Spoken interaction		Spoken production		Expressiveness																																	
English	x	C1	x	C1	x	B2	x	C1	x	C1																																
French	x	A2	x	A2	x	A2		A2	x	A2																																
	(*) Common European Framework of Reference (CEF) level																																									
Technical skills and competences	Multispectral and Hyperspectral imagistic acquisition and interpretation, Ground Penetrating Radar (GPR) acquisition and data interpretation, Elaboration of samples and specimens for the field of conservation, Cold mounting resin samples for cross-section analysis, Painting and mural decorations samples for conservation study in different techniques (a fresco, a secco, tempera, oil painting, watercolors, sgraffito, mosaic etc.)																																									
Computer skills and competences	Microsoft Office, Corel Draw, Adobe Photoshop, Adobe Illustrator, Adobe InDesign, Origin, Artist, Rad Explorer, ENVI (ENVIRONMENT for Visualizing Images)																																									
Courses and trainings	<p>Training course for hyperspectral camera - Norsk, Elektro Optikk .AS (NEO), HySpex SWIR 384, Măgurele City, Ilfov County, Romania, 29-30.09.2015</p> <p>DTP design (Desktop publishing) : Centre for Professional Training in Culture, Ministry of Culture, Bucharest, May–July 2012</p> <p>Certificate of Attendance at COST Joint training school - <i>Wood Cultural Heritage Conservation: Advanced X-ray and Optical Techniques</i>; COST Action IE0601 "Wood Science for Conservation of Cultural Heritage", COST Action MP0601 "Short Wavelength Laboratory Sources", Florence - Pisa (Italy) 16-20 May 2011</p> <p>Trainer course, Centre for Professional Training CEPECOM S.A Bucarest, Code COR 242401 – 19-21.02.2016</p> <p>Certificate of Completion - Specialization Training for Restorer of Cultural Goods, code COR 262107, Seria: L, Nr: 00039747</p>																																									
Awards	2008 – Award of the National University of Arts, Bucharest, Faculty of Art History and Theory																																									

National patents	<p>Lucian RATOIU, Laurențiu ANGHELUȚĂ, Dragoș ENE - Radar Investigation system in vertical plane with applications in historical buildings analysis, Published in BOPI, No: 8/ 2012</p> <p>Roxana RĂDVAN, Dragoș ENE, Lucian RATOIU, Laurențiu ANGHELUȚĂ – Optoelectrical device and procedure for measure and qualitative analysis of the interior surface of archaeological and art objects with the LIF technique, No: 1002604/2013</p>
E-Book	<p>The church of „The Holly Great Sovereigns Constantin and Helen” from Măgurele, Ilfov România – Part I, Chapters: GPR investigations, Multispectral imagistic analysis, 2010, Top Form ISBN: 978-973-7626-82-0, ISBN: 978-973-7626-83-7, Univers Științific: ISBN: 978-973-1944-58-6</p> <p>The Church of „The Dormition of the Mother of God” Tismana Monastery, Gorj County – Documentation and Investigations, 2014, Univers Științific ISBN: 978-973-1944-58-6, Top Form: ISBN: 978-973-7626-82-0, ISBN: 978-973-7626-84-4</p>
Book chapter	<p>M. Simileanu, D.V. Ene, L. RATOIU, I.M. Cortea, Aspects of the scientific investigations, in the volume For Tomorrow: Investigating New Materials in the Works of Alexandru Radvan, Editors: R. Demetrescu, D. Dochia, R. Rădvan, pp. 123-133, Archetype Publications in association with the National University of Arts, Bucharest, ISBN: 978-1-909492-11-0</p> <p>Lucian RATOIU, Roxana Rădvan, Preventive Conservation Measures in the Archive of the „Constantin Brăiloiu” Institute of Ethnography and Folklore, Romanian-English bilingual edition: Folkmedia. Folkloric Multimedia Deposit, Editors: Sabina Ispas, Monica Bercovici, Bucharest 2016, pp. 58-70.</p>
Articles	
ISI indexed paper	<p>Roxana RĂDVAN, Lucian RATOIU, Alexandru Chelmuș - Indoor microclimate monitoring for long-term conservation of the Archive of the Institute of Ethnography and Folklore „Constantin Brăiloiu” multimedia collection, Journal of Ethnography and Folklore 1 & 2, 2017 (accepted for publication)</p> <p>Lucian RATOIU, Cristina Neamu - Enabling new research perspectives for the AIEF archive by means of multispectral imaging, Journal of Ethnography and Folklore 1 & 2, 2014, pp. 169–189</p>
Scopus indexed paper	<p>Monica SIMILEANU, Sabina ISPAS , Lucian RATOIU, Laurențiu ANGHELUȚĂ, Cristina NEAMU FOLKMEDIA: A Modern approach on preservation of Romanian folklore archive, International Journal of Conservation Science – IJCS, Vol. 6, Issue 2, April-June 2015, pp: 201-208</p>
Paper published in national journal accredited by CNCS	<p>Lucian RATOIU, Dragoș ENE, Irina NASTASI – GPR Investigations at the Roman mosaic Edifice from Constance, Pontica, Published by The National Museum for History and Archaeology Constance, No. 43, 2010, pp. 545-553</p>
Paper published in other databases	<p>Lucian RATOIU, Vivian Dragomir - The Use of Ground Penetrating Radar for the Assessment of the Conservation State of an Historic Building, <i>e-conservation magazine</i>, No. 18, 2011, pp. 54-63</p>

Lucian RATOIU, Laurențiu Angheluță - Multispectral imaging - a fast and accurate method for artworks documentation, Proceedings of the 3rd Balkan Symposium on Archaeometry - The Unknown Face of the Artwork, INTEGRA NATURA ET OMNIA - INOE, Măgurele 2012, pp. 28-34

L.M. Angheluță, D.V. Ene, R. Rădvan, M. Simileanu, **L. RATOIU** - Open restoration site – modern intervention, trainings and long term monitoring processes, Realities and solutions of the specialists in the heritage conservation and restoration domain in the 2014 Romania, RESTITUTIO - Restoration bulletin of the National Village Museum “Dimitrie Gusti”, Bucharest, No. 8, 2014, pp. 34-37

Sabina Ispas, Monica Simileanu, Cristina Neamu, Lucian RATOIU, Laurențiu-Marian Angheluță – Modern archives best practice: preservation of the archival materials & multifaceted digitization of the collections, Realities and solutions of the specialists in the heritage conservation and restoration domain, in the 2014 Romania, RESTITUTIO - Restoration bulletin of the National Village Museum “Dimitrie Gusti”, Bucharest, No: 8, 2014, pp. 90-94

Lucian RATOIU, Dragoș Ene, Roxana Rădvan - Alternative method for reconstruction, completion and reintegration of some decorative details using 3D printing technique, RESTITUTIO - Restoration bulletin of the National Village Museum “Dimitrie Gusti”, No. 9, 2015, pp. 80-86

Lucian RATOIU, Multispectral and Hyperspectral Imaging Analysis for Cultural Heritage Proceedings of Worldwide Open Workshop With Advanced Techniques for Cultural Heritage Conference, 27–28 October 2016, Bucharest, Editori: Roxana Rădvan, Maria Dumbrăvician Editura UNARTE, București 2016, pp. 16-18

Lucian RATOIU, Raluca CRISTACHE, Ion SANDU - Corroborated imaging techniques for the documentation process of a Lipovan icon from the half of the 20th century, RESTITUTIO - Buletinul de conservare-restaurare al Muzeului Național al Satului “Dimitrie Gusti” din București, No, 10, Vol. 2, 2016, pp. 206-213

Oral presentations National conferences	<p>Lucian RATOIU, Dragos Ene, Irina Nastasi - GPR Investigations at the Roman mosaic Edifice from Constance, Pontica conference - The National Museum for History and Archaeology Constance, Constance, Romania, 6-7 October 2010</p> <p>Lucian RATOIU, Vivian Dragomir – GPR comparative investigations, Case study: House from Rusetu, The National Village Museum “Dimitrie Gusti” in Bucharest, CONScience - National Conference on Conservation- Restoration „Doina Darvaş”, 3rd edition, Bucharest, 1-3 November 2010</p> <p>Lucian RATOIU, Angheluță Laurențiu, Ene Dragoș, Petrescu Sergiu - Non-invasive documentation of the under layers of „The Holly Great Sovereigns Constantin and Helen” church from Măgurele, CONScience - National Conference on Conservation-Restoration „Doina Darvaş”, 4th edition, The National Village Museum “Dimitrie Gusti”, Bucharest, 2-4 November 2011</p> <p>Lucian RATOIU, Maria Dumbrăviceanu – Non-invasive radar technique documentation of the soil under layers, Case study: the cemetery and the chapel of Tismana Monastery, New data and research in the medieval art of Romania, 8th edition, Romanian Academy – “George Oprescu” Art History, Institute, Bucharest, 17-18 November 2011</p> <p>L.M. Angheluță, D.V. Ene, R. Rădvan, M. Simileanu, L. RATOIU - Open restoration site – modern intervention, trainings and long term monitoring processes, Realities and solutions of the specialists in the heritage conservation and restoration domain in the 2014 Romania, CONScience - National Conference on Conservation-Restoration „Doina Darvaş”, 8th edition, Bucharest, 2014</p>
Poster National conference	<p>Sabina Ispas, Monica Simileanu, Cristina Neamu, Lucian RATOIU, Laurențiu-Marian Angheluță – Modern archives best practice: preservation of the archival materials & multifaceted digitization of the collections, Realities and solutions of the specialists in the heritage conservation and restoration domain in the 2014 Romania, CONScience - National Conference on Conservation-Restoration „Doina Darvaş”, 8th edition, Bucharest, 2014</p> <p>Lucian RATOIU, Dragoș Ene, Roxana Rădvan - Alternative method for reconstruction, completion and reintegration of some decorative details using 3D printing technique, National Conference on Conservation-Restoration „Doina Darvaş”, CONScience 9th edition, The National Village Museum “Dimitrie Gusti”, Bucharest, 4th October 2015</p>
Oral presentation International conference	<p>Lucian RATOIU, Raluca CRISTACHE, Ion SANDU - Corroborated imaging techniques for the documentation process of a Lipovan icon from the half of the 20th century, National Conference on Conservation-Restoration „Doina Darvaş”, CONScience 10th edition, The National Village Museum “Dimitrie Gusti”, Bucharest, 3rd October 2016</p> <p>Lucian RATOIU, Dragomir Vivian - High accuracy and non-invasive radar technique for documentation of historical buildings - Case study: Rușetu house from the “Dimitrie Gusti” National Village Museum, Bucharest, MATCONS 2011 Matter and Materials in/ for Heritage Conservation, Craiova Romania, 24- 28 August 2011</p>
Poster Session International conference	<p>Lucian RATOIU - Multispectral imaging a fast and accurate method for artworks documentation, Proceedings of The 3rd Balkan Symposium on Archaeometry, The Unknown Face of the Artwork, Bucharest, Romania, 29-30 October 2012</p> <p>Dragoș Ene, Roxana Rădvan, Lucian RATOIU – Radar Exploration of Underwater Sites, Case Study: Păcuiul lui Soare Citadel, Romania; SPLASHCOS - COST Action TD0902, Final Conference, Szczecin, Poland, 23rd–27th September 2013</p>

**Campaigns for Research and
Data Acquisition**

Bordușani Archaeological site, Ialomița County – 2009

House from Rușețu, The National Village Museum “Dimitrie Gusti”, Bucharest – 2009

The Roman mosaic Edifice from Constanța, Constanța City, Constanța County – 2010

“Fundeni Doamnei” Church from Bucharest – 2010

„The Holy Great Sovereigns Constantin and Helen” church from Măgurele, Ilfov County – 2011

Byzantine Citadel from Ostrov - “Păcuil lui Soare”, Constanța County – 2011

The Monastery Church from Tismana, Gorj County – 2014

The National Museum of Peleş, Investigated Object: Pascal Taskin harpsichord, Prahova County – 2015

The Sculptural Ensemble of Constantin Brâncuși from Târgu Jiu, Gorj County – 2015

Spain, October - 2016:

Cordoba – The Great Mosque „La Mezquita”

Sevilla - Iglesia Omnium Sanctorum, Iglesia San Roman, Iglesia San Julian,

Iglesia San Marco, Iglesia Santa Marina, Iglesia Santa Magdalena

Morella - La Iglesia Arciprestal de Santa María la Mayor de Morella

08.02.2017