



TECHNICAL UNIVERSITY
OF CLUJ-NAPOCA, ROMANIA

Technical University of Cluj-Napoca
Faculty of Machine Building
Department of Design Engineering and Robotics
S.I. dr. ing. Comes Radu

LIST OF PAPERS

1. List of 10 most relevant papers

1. Neamtu, C., Bratu, I., Marutoiu, C., Marutoiu, V.C., Nemes, O.F., **Comes R.**, Bodi, S., Buna, Z., Popescu, D., Component Materials, ***3D Digital Restoration, and Documentation of the Imperial Gates from the Wooden Church of Voivodeni, Sălaj County, Romania***, Applied Sciences, Vol 11., Issue 8, Pages 3422, 2021, WOS:000643993700001 [ISI FI 2,474];
2. Weckenmann, A., Bodi, S., Popescu, S., Dragomir, M., Hurgoiu, D., **Comes, R.**, ***Hit or Miss? Evaluating the Potential of a Research Niche: A Case Study in the Field of Virtual Quality Management***, SUSTAINABILITY, Vol. 11, Issue 5, ISSN: 2071-1050, 2019 (WOS:000462661000234) [ISI FI 2,592];
3. Marutoiu, C., Bratu, I., Nemes, O.F., Dit, I.I., **Comes, R.**, Tanaselia, C., Falamas, A., Miclaus, M., Marutoiu, V.C., Morar, R., ***Instrumental analysis of materials and topology of the Imperial Gates belonging to the Apahida wooden church, Cluj County***, VIBRATIONAL SPECTROSCOPY, Vol. 89, pp.131-136, ISSN: 0924-2031, 2017 (WOS:000399513000018) [ISI FI 1,861];
4. **Comes, R.**, Neamtu, C., Buna, Z., Badiu, I., Pupeza, P., ***METHODOLOGY TO CREATE 3D MODELS FOR AUGMENTED REALITY APPLICATIONS USING SCANNED POINT CLOUDS***, MEDITERRANEAN ARCHAEOLOGY & ARCHAOMETRY, Vol. 14, Issue 4, pp.35-44, ISSN: 1108-9628, 2014 (WOS:000347272500005);
5. Buna, Z., Popescu, D., **Comes, R.**, Badiu, I., Mateescu, R., ***ENGINEERING CAD TOOLS IN DIGITAL ARCHAEOLOGY***, MEDITERRANEAN ARCHAEOLOGY & ARCHAOMETRY, Vol. 14, Issue 4, pp. 83-91, ISSN: 1108-9628, 2014 (WOS:000347272500010);
6. **Comes, R.**, ***HAPTIC DEVICES AND TACTILE EXPERIENCES IN MUSEUM EXHIBITIONS***, JOURNAL OF ANCIENT HISTORY AND ARCHAEOLOGY, Vol.3, Issue 4, ISSN: 2360-266X, 2016 (WOS:000448907500007);
7. **Comes, R.**, Neamtu, C., Buna, Z., Mateescu L-S., ***EXPLORING DACIAN CULTURAL HERITAGE WITH dARcit AUGMENTED REALITY APPLICATION***, JOURNAL OF ANCIENT HISTORY AND ARCHAEOLOGY, Vol.4, Issue 6, pp.71-77, ISSN: 2360-266X, 2019 (WOS:000511167200007);
8. Neamtu C., Popescu, S., Paul, B., **Comes, R.**, ***Innovative mechanical structure for hospital bed folding using a single actuator***. Acta Technica Napocensis - Series: Applied Mathematics, Mechanics, And Engineering, 2016, Vol. 59, Iss. 4, ISSN 1221 – 5872 (WOS:000416957100004);
9. Neamtu C., **Comes R.**, Bolba R., Ghinea R., ***Improving The Design Of Plastic Anchors For Polystyrene***. Acta Technica Napocensis - Series: Applied Mathematics, Mechanics, And Engineering, 2015, Vol 58, Issue 4, ISSN 1221 – 5872; (WOS:000387966300005);
10. Neamtu, C., **Comes, R.**, Popescu, D., ***METHODOLOGY TO CREATE DIGITAL AND VIRTUAL 3D ARTEFACTS IN ARCHAEOLOGY***, JOURNAL OF ANCIENT HISTORY AND ARCHAEOLOGY, Vol. 3, Issue 4, pp.65-74, ISSN: 2360-266X, 2016 (WOS:000448907500008);

2. Doctoral Thesis

“CONTRIBUTIONS REGARDING THE RECONSTITUTION, VISUALIZATION AND INTERACTION IN THE VIRTUAL ENVIRONMENT WITH HISTORICAL ARTIFACTS RELATED TO THE CULTURAL HERITAGE”



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Scientific supervisor: **Prof.dr.ing. Daniela POPESCU**

Technical University of Cluj-Napoca

Public presentation: **6 November 2015**

3. Habilitation Thesis

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4. Patent applications

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5. Books and Chapters in Books

5.1. Books in International Publishing Houses

1. Popescu Daniela, Dragomir Diana, **Comes Radu**, Popescu Sorin, Dragomir Mihai, Neamțu Călin, **Enhancing Management and Marketing in Cultural Heritage by Using New Technologies**, Trivent Publishing, Capitol in "The best Romanian Management Studies 2017-2018, ISBN 978-615-81353-5-1, pag. 21-32, 2020,

5.2. Books in National Publishing Houses (minimum 1 first author)

2. **Comes Radu**, Scanarea, reconstituirea și promovarea bunurilor culturale utilizând tehnici digitale, ISBN - 978-606-020-241-7, Editura Mega, 2021 (304 pg.)
3. Constantin Marutoiu **et.all** (Ed.), **Biserici de lemn din Transilvania: Cluj si Sălaj**, Editura Mega, ISBN 978-606-543-857-6, 2017, (207 pg.).
4. Daniel Copot, **Calin Neamtu**, Daniela Popescu **et. all** (Ed.), **Handbook of Good practices in Smart manufacturing**, Editura Mega , e-ISBN: 978-606-543-928-3, 2017, (269 pg.).
5. Neamtu Calin, Florea Gelu, Gheorghiu Gabriela, Bodo Cristina **et.all** (Ed.) **Incursiuni Dacice in Spațiul Virtual**, ISBN 978-606-94125-4-1, Editura Only One, 2016 (249 pg.)

5.3. Books as Editor in National Publishing Houses

5.4. Course guides / guidance (at least 2 of which 1 as first author)

6. **Comes Radu**, Buna Zsolt Levente, Raul Silviu Rozsos, **SolidWorks Indrumator de proiect**, ISBN 978-606-737-450-6, UT PRESS, 2020 link <https://biblioteca.utcluj.ro/files/carti-online-cu-coperta/450-6.pdf>
7. Neamțu Călin, Daniela Popescu, Bodi Stefan, **Comes Radu**, Curta Razvan, **SolidWorks 2016 : Îndrumător de laborator**, ISBN 978-606-543-906-1, Editura Mega, Cluj-Napoca, 2017. (250 pg);
8. Neamțu Călin, Daniela Popescu, Curta Razvan, **Comes Radu**, Bodi Stefan, **SolidWorks 2016: Student`s Guide**, ISBN 978-606-543-907-8, Editura Mega, Cluj-Napoca, 2017. (250 pg);
9. **Comes Radu**, Studiul culorii pentru design (suport de curs in format electronic) - <https://e-learning.utcluj.ro/moodle/> (70 pg.);
10. **Comes Radu**, Design (suport de curs in format electronic) - <https://e-learning.utcluj.ro/moodle/> (80 pg.);
11. **Comes Radu**, Sisteme CAD-CAM-CAE (suport de curs in format electronic) - <https://e-learning.utcluj.ro/moodle/> (110 pg.);



12. **Comes Radu**, Realitate virtuala (suport de curs in format electronic) - <https://e-learning.utcluj.ro/moodle/> (80 pg.);
13. **Comes Radu**, Realitate augmentată (suport de curs in format electronic) - <https://e-learning.utcluj.ro/moodle/> (60 pg.);
14. **Comes Radu**, Concepția formei in design (suport de curs in format electronic) - <https://e-learning.utcluj.ro/moodle/> (80 pg.);

6. Articles / Studies in Extenso, Published in Journals from the Main International Scientific Flow

- 6.1. Articles in ISI Thomson Reuters Rated Journals and in ISI Proceedings indexed volumes (from the last promotion at least 5 (position 1-8) of which 1 journals (positions 1-8), minimum 2 as main author (positions 4,5,7,8)

List of articles indexed in ISI Proceedings journals (1-24), main author (4,5,7,8,10,11,17,23)

1. Neamtu, C., Bratu, I., Marutoiu, C., Marutoiu, V.C., Nemes, O.F., **Comes R.**, Bodi, S., Buna, Z., Popescu, D., Component Materials, **3D Digital Restoration, and Documentation of the Imperial Gates from the Wooden Church of Voivodeni, Sălaj County, Romania**, Applied Sciences, Vol 11., Issue 8, Pages 3422, 2021, WOS:000643993700001 [ISI FI 2,474];
2. Weckenmann, A., Bodi, S., Popescu, S, Dragomir, M., Hurgoiu, D., **Comes, R.**, Hit or Miss? Evaluating the Potential of a Research Niche: A Case Study in the Field of Virtual Quality Management, SUSTAINABILITY, Vol. 11, Issue 5, ISSN: 2071-1050, 2019 (WOS:000462661000234) [ISI FI 2,592];
3. Muresan, C.I., Popa, A.M., **Comes, R.**, **AUGMENTED REALITY IN UNIVERSITY CAMPUS INTERACTIVE ORIENTATION**, ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING, Vol. 61, Issue 3, pp.153-158, ISSN: 1221-5872, 2018 (WOS:000451702200020)
4. **Comes, R.**, Tompa, V., Bodi, Ș., Neamtu, C. and Török, K.F., 2018. **From theory to practice: digital reconstruction and virtual reality in archaeology**. JOURNAL OF ANCIENT HISTORY AND ARCHAEOLOGY, Vol.4 Issue 4, DOI 10.14795/j.v4i4.287, ISSN: 2360-266X, WOS:000429922400005;
5. **Comes, R.**, Neamtu, C., Buna, Z., Mateescu L-S., **EXPLORING DACIAN CULTURAL HERITAGE WITH dARcit AUGMENTED REALITY APPLICATION**, JOURNAL OF ANCIENT HISTORY AND ARCHAEOLOGY, Vol.4, Issue 6, pp.71-77, ISSN: 2360-266X, 2019, WOS:000511167200007;
6. Rozsos, R. S., Buna, Z. L., Bodi, S., **Comes, R.**, Tompa, V., **DESIGN AND DEVELOPMENT OF A LINEAR DELTA 3D PRINTER**, ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING, Vol. 63, Issue 2, pp.185-190, 2020, WOS:000550992100011;
7. **Comes, R.**, Neamtu, C., Buna, Z.L., Bodi, S., Popescu, D., Tompa, V., Ghinea, R. Mateescu-Suciu, L., **ENHANCING ACCESSIBILITY TO CULTURAL HERITAGE THROUGH DIGITAL CONTENT AND VIRTUAL REALITY: A CASE STUDY OF THE SARMIZEGETUSA REGIA UNESCO SITE**, JOURNAL OF ANCIENT HISTORY AND ARCHAEOLOGY Vol.7, Issue 3, pp.124-139, ISSN: 2360-266X, 2020, WOS:000586035500009;
8. **Comes, R.**, Grec, C., Neamtu C., Gazdac, C., Mateescu-Suciu L., **INTANGIBLE HERITAGE?... NOT ANYMORE, FROM PHOTO TO 3D PRINTED CULTURAL HERITAGE ASSETS REPLICAS. THE TWO MISSING IRON DISCS FROM THE DACIAN HILLFORT OF PIATRA ROȘIE (ROMANIA)**, JOURNAL OF ANCIENT HISTORY AND ARCHAEOLOGY, Vol.8, Issue 1, ISSN: 2360-266X, 2021, WOS:000639623400010



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9. Marutoiu, C., Bratu, I., Nemes, O.F., Dit, I.I., **Comes, R.**, Tanaselia, C., Falamas, A., Miclaus, M., Marutoiu, V.C., Morar, R., **Instrumental analysis of materials and topology of the Imperial Gates belonging to the Apahida wooden church, Cluj County**, VIBRATIONAL SPECTROSCOPY, Vol. 89, pp.131-136, ISSN: 0924-2031, 2017 (WOS:000399513000018) [ISI FI 1,861];
10. **Comes, R.**, Neamtu, C., Buna, Z., Badiu, I., Pupeza, P., **METHODOLOGY TO CREATE 3D MODELS FOR AUGMENTED REALITY APPLICATIONS USING SCANNED POINT CLOUDS**, MEDITERRANEAN ARCHAEOLOGY & ARCHAEOLOGY, Vol. 14, Issue 4, pp.35-44, ISSN: 1108-9628, 2014, WOS:000347272500005;
11. **Comes, R.**, **HAPTIC DEVICES AND TACTILE EXPERIENCES IN MUSEUM EXHIBITIONS**, JOURNAL OF ANCIENT HISTORY AND ARCHAEOLOGY, Vol.3, Issue 4, ISSN: 2360-266X, 2016, WOS:000448907500007;
12. Badiu I., **Comes R.**, Buna, Z., **AUTOMATIC GENERATION OF ANCIENT POTTERY PROFILES USING CAD SOFTWARE**, Journal of Ancient History and Archaeology, Vol 2. Issue. 2 ISSN:2360-266X, 2015, WOS:000448906800008;
13. Neamtu, C., **Comes, R.**, Popescu, D., **METHODOLOGY TO CREATE DIGITAL AND VIRTUAL 3D ARTEFACTS IN ARCHAEOLOGY**, JOURNAL OF ANCIENT HISTORY AND ARCHAEOLOGY, Vol. 3, Issue 4, pp.65-74, ISSN: 2360-266X, 2016, WOS:000448907500008;
14. Buna, Z., Popescu, D., **Comes, R.**, Badiu, I. Mateescu, R., **ENGINEERING CAD TOOLS IN DIGITAL ARCHAEOLOGY**, MEDITERRANEAN ARCHAEOLOGY & ARCHAEOLOGY, Vol. 14, Issue 4, pp. 83-91, ISSN: 1108-9628, 2014, WOS:000347272500010;
15. Neamtu, C., Popescu, S., Bere, P., **Comes, R.**, **INNOVATIVE MECHANICAL STRUCTURE FOR HOSPITAL BED FOLDING USING A SINGLE ACTUATOR**, ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING, Vol. 59, Issue 4, pp.365-368, ISSN: 1221-5872, 2016, WOS:000416957100004;
16. Neamtu, C., **Comes, R.**, Bolba, R., Ghinea, R.A., **IMPROVING THE DESIGN OF PLASTIC ANCHORS FOR POLYSTYRENE**, ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING, Vol 58, Issue 4, pp.525-532, ISSN: 1221-5872, 2015 , WOS:000387966300005;
17. **Comes, R.**, Neamtu, C., **DESIGN A LOW-COST EYEWEAR DISPLAY ADAPTED TO ADDITIVE MANUFACTURING**, ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING, Vol. 58, Issue 4, pp.563-566, ISSN: 1221-5872, 2015 ,WOS:000387966300011;
18. Popescu, D., Popister, F., Eles, A., **Comes, R.**, **IMPROVING THE QUALITY OF PLASTIC PARTS OBTAINED BY 3D PRINTING**, ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING, Vol.58, Issue 1, pp. 25-30, ISSN: 1221-5872, 2015 ,WOS:000387964500004;
19. Curta, R., Buna, Z., Dragomir, M., **Comes, R.**, Banyai, D., **METHODOLOGY AND CASE STUDY IN THE FURNITURE INDUSTRY USING PHOTOGRAMMETRY AND 5 AXIS MACHINING**, ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING, Vol. 58, Issue 1, pp.53-58, ISSN: 1221-5872, 2015, WOS:000387964500008;
20. Bere P., Neamtu C., Dudescu M., **Comes R.**, Solcan S., **Carbon epoxy front hood for an electrical city vehicle**, MODERN TECHNOLOGIES IN MANUFACTURING (MTEM 2017 - AMATUC), Vol. 137, ISSN: 2261-236X, 2017, WOS:000426604200077;
21. Bodi S., **Comes R.**, Weckenmann A., Popescu S., **ASSISTIVE AUGMENTED ENVIRONMENT IN QUALITY INSPECTION AND STATISTICAL PROCESS CONTROL**, International Conference on Production Research - Africa, Europe and the Middle East (ICPR-AEM) / 4th International Conference on Quality and Innovation in Engineering and Management (QIEM), pp.493-498, ISBN:978-606-737-180-2, 2016, WOS:000436122900083;



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22. Badiu I., Popescu D., Cenusa A., Buna Z., **Comes R., USING CAD SOFTWARE TO REDUCE THE AMOUNT OF DATA IN CASE OF DIGITAL PRESERVATION OF THE CULTURAL HERITAGE**, 2014 INTERNATIONAL CONFERENCE ON PRODUCTION RESEARCH - REGIONAL CONFERENCE AFRICA, EUROPE AND THE MIDDLE EAST AND 3RD INTERNATIONAL CONFERENCE ON QUALITY AND INNOVATION IN ENGINEERING AND MANAGEMENT (ICPR-AEM 2014), pp. 12-16, ISBN:978-973-662-978-5, 2014, WOS:000346410700002;
23. **Comes R.**, Popescu D., Popister F., Buna Z., Badiu I., **TRACKING METHODS USED IN AUGMENTED REALITY MANUFACTURING**, 2014 INTERNATIONAL CONFERENCE ON PRODUCTION RESEARCH - REGIONAL CONFERENCE AFRICA, EUROPE AND THE MIDDLE EAST AND 3RD INTERNATIONAL CONFERENCE ON QUALITY AND INNOVATION IN ENGINEERING AND MANAGEMENT (ICPR-AEM 2014), pp. 94-99, ISBN:978-973-662-978-5, 2014, WOS:000346410700018;
24. Popister F., Popescu D., **Comes R.**, Ghinea R., **SCALLOP CALCULUS IN DIRECT MILLING ROUGHING TOOL PATHS OBTAINED USING ORIENTED GRAPH THEORY**, 2014 INTERNATIONAL CONFERENCE ON PRODUCTION RESEARCH - REGIONAL CONFERENCE AFRICA, EUROPE AND THE MIDDLE EAST AND 3RD INTERNATIONAL CONFERENCE ON QUALITY AND INNOVATION IN ENGINEERING AND MANAGEMENT (ICPR-AEM 2014), pp. 411-415, ISBN:978-973-662-978-5, 2014, WOS:000346410700077;

6.2. Articles in Journals and Volumes of Scientific Events Indexed in Other International Databases (since last promotion at least 5, (positions 1-5), main author (positions 4 and 7))

List of articles indexed in BDI journals (1-9), main author (1,3)

1. **Comes Radu**, The preservation and long-term use of 3D digitized cultural heritage assets ACTA ELECTROTEHNICA, No. 3, 2018;
2. Solcan S., Bodi S., **Comes R.**, Rozsos R.S., Neamtu C., Cocean C. **DESIGN AND ERGONOMIC ANALYSIS OF CAR DOORS MADE FROM COMPOSITE MATERIALS**, ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING, Vol. 64, Issue 1, pp. 181- 188, ISSN: 1221-5872, 2021;
3. **Comes R.**, Neamtu C., Grajdeanu A., Bodi S., **Virtual reality training system based on 3D scanned automotive parts**, ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING, ISSN: 1221-5872, Vol. 64, Issue 1, pp. 55-62, ISSN: 1221-58722021;
4. Firea C. Serendan, C. Nemes D., Marutoiu C., Neamtu C., Buna Z., **Comes R., Polipticul Sf.Martin din Sighisoara - analize de istoria artei si investigatii stiintifice ale unei opere din Renasterea Transilvaniana**, Ars Transsilvaniae, ISSN 1220 – 2789, 2021;
5. Pop G., **Comes R.**, Crisan L.A., **An Android Application for Explaining Form Deviations Using 3D Models**, Design, Simulation, Manufacturing: The Innovation Exchange, Springer, pp. 311-321, 2021;
6. Hodor A., Berce P., **Comes R.**, **SOME CONSIDERATIONS ABOUT 3D REPLICATION OF COMPLEX SURFACES**, ACTA TECHNICA NAPOCENSIS-Series: APPLIED MATHEMATICS, MECHANICS, and ENGINEERING, Vol. 56, Issue 1, pp.153-158, ISSN: 1108-9628, 2013
7. Dragomir D., **Comes R.**, **Establishing the focus of the product development strategy in a furniture start-up**, 4th Virtual International Conference on Advanced Research in Scientific Areas (ARSA-2015) Slovakia, November 9 - 13, 2015 (www.arsa-conf.com), ISBN 978-80-554-1126-2, pp. 50-54;
8. Bere P., Neamtu C., Dudescu M., **Comes R.**, Solcan S., **Processes of Plastics and Composite Materials**, MATEC Web of Conferences, 2017;
9. Neamtu C., **Comes R.**, Mateescu R., Ghinea R., Filip D., **Using virtual reality to teach history**, Proceedings of the 7th International Conference on Virtual Learning, 2-3 Noiembrie, Brasov, Romania pg. 303-310, ISSN 1844-8933, Editura Universitatii din Bucuresti, 2012.



7. Publications in Extenso, Appearing in the Works of Specialized International Conferences

7.1. Articles in journals / National Proceedings / International Unindexed Proceedings

1. Neamtu C., Comes R., Bodi S., **Augmented learning a new method for teaching GPS standards**, XIIth International Scientific Conference Coordinate Measuring Technique Bielsko-Biala, 18th – 20th of April, 2016;
2. Comes R., Buna Z, Mateescu-Suciu L., **Interactive Navigation and Visualisation of Digitized Archaeological Excavations**, Computer Applications & Quantitative Methods in Archaeology CAA-UK, United Kingdom, Leicester, March 5-6, 2016;
3. Comes R., Neamtu C., Marutoiu C., Bratu I., O.F. Nemes **"Restaurarea digitala a Usilor Imparatesti"** Simpozion - Patru decenii de functionare a Sistemului Romanesc de Conservare si Restaurare a Patrimoniului Cultural National, 21-22 mai 2015, Cluj-Napoca;
4. Daniela Popescu, Radu Comes, Calin Neamtu, Florin Popister, **Using Augmented Reality In Metrology For Technical Drawings And CAD Data Management**, XIth International Scientific Conference Coordinate Measuring Technique, Bielsko-Biala, 2nd-4th April, 2014;
5. Tompa V., Hurgoiu, D., Comes, R., Ghinea, R., **IDART's database search engine based on image template matching and optical character recognition, Artworks and Scientific Investigations**. An Online Conference within the ID-Art Programme Framework, 2020;
6. Comes R., Neamtu, C., Buna, Z.L., **Augmented Reality Enriched Project Guide For Mechanical Engineering Students**, 7th International Conference of the Immersive Learning Research Network, 2021;

8. Other Scientific Papers and Contributions

8.1. National Prizes in the Field of Activity

8.2. Member of Editorial Teams or Scientific Committees of Scientific Journals and Events, Organizer of Scientific Events

Google Scholar: h – index: 7, i10-index: 3, 97 citations, 87 citations in the last 5 years, 37 indexed articles;

Scopus: h-index: h – index: 3, 28 citations, 10 indexed articles;

Web of Science: h-index: 3, 32 citations, 22 indexed articles.

9. Participation in research teams

1. PN-III-P1-1.1-PD-2019-1246, **Scientific investigation and capitalization of ornamental Dacian parade shields using virtual / augmented reality techniques** - Acronym VART [[project manager](#)];



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2. EEA Financial Mechanism, line of projects: RO-CULTURA CALL01-16, **Horea's Church - a heritage for the future. Valorization of an architectural monument from the 18th century through virtual reality** [[partner responsible](#)];
3. EEA Financial Mechanism, line of projects: RO-CULTURA CALL01-15, **Innovative techniques in capitalizing on cultural heritage. The icons from the Sebeş Valley from the collection of the Ethnographic Museum of Transylvania** [[partner responsible](#)];
4. PN-III-P1-1.2-PCCDI-2017 - Proiect 53PCCDI/2018 - **Project 1- Painters, works, assignments. Protocols for establishing the authorship of medieval and premodern paintings in Romania** [[partner responsible](#)];
5. PN-III-P1-1.2-PCCDI2017-0812, Proiect 53PCCDI/2018, **Project 3 - Development of complex methodologies for assigning and authenticating medieval and premodern paintings from the national heritage** [[research team member](#)];
6. DTP1-1-072-1.1 - **MADE IN DANUBE - Transnational Cooperation to transform knowledge into marketable products and services for the Danubian sustainable society of tomorrow, 2017** [[research team member](#)];
7. PN-III-P2-2.1 PED-2019-5430, **Smart hospital bed – Acronym HOPE** [[research team member](#)];
8. PN-III-P2-2.1-PED-2019-1057, **New robotic exoskeleton with integrated virtual reality system for cardiac rehabilitation** [[research team member](#)];
9. Mecanismul Financiar SEE, linia de proiecte: PA16/RO12, **When ancient daily life becomes a UNESCO World Heritage Site. Scanning, digital restoration and contextualization of Dacian artifacts from the Orăştiei Mountains** [[research team member](#)];
10. European Regional Development Fund, POSCCE, 12.P01.001 13 C3, **Research for the development and implementation in production of innovative furniture**, part of the Competitiveness Pole 12.P01.001 "Transylvanian furniture cluster" [[research team member](#)];
11. PN-II-PT-PCCA-2013-4-1882 - **Multidisciplinary assessment of imperial gates of the XV-XVI churches for conservation and restoration within classic and digital methods to ensure the community viability** [[research team member](#)];

Cluj- Napoca
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