

Lista de lucrări

(autor/coautor: Comes Radu, candidat pentru postul: Șef lucrări, poziția 33)

I. Lucrări științifice publicate :

1. Comes, R., Neamțu, C., Buna, Z., Badiu, I., Pupeză, P., *METHODOLOGY TO CREATE 3D MODELS FOR AUGMENTED REALITY APPLICATIONS USING SCANNED POINT CLOUDS*, Mediterranean Archaeology & Archaeometry International Journal, Vol. 14, No. 4, 2014, ISSN: 1108-9628, pp: 35-44; [ISI A&H]
2. Buna Z., Popescu, D., Comes, R., Călin NEAMȚU, Ionuț BADIU, Răzvan MATEESCU, *ENGINEERING CAD TOOLS IN DIGITAL ARCHAEOLOGY*, Mediterranean Archaeology & Archaeometry International Journal, Vol. 14, No. 4, 2014, ISSN: 1108-9628, pp: 83-91; [ISI A&H]
3. Popișter, F., Popescu, D., Comes, R., Ghinea, R., *SCALLOP CALCULUS IN DIRECT MILLING ROUGHING TOOL PATHS OBTAINED USING ORIENTED GRAPH THEORY*, Proceedings of the 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, Cluj-Napoca, 1-5 iulie 2014, ISBN:978-973-662-978-5 , Romania; [ISI Proceedings]
4. Badiu, I., Popescu, D., Cenușă, A., Buna, Z., Comes, R., *USING CAD SOFTWARE TO REDUCE THE AMOUNT OF DATA IN CASE OF DIGITAL PRESERVATION OF CULTURAL HERITAGE*, Proceedings of the 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, Cluj-Napoca, 1-5 iulie, ISBN:978-973-662-978-5; 2014 , Romania; [ISI Proceedings]
5. Comes, R., Popescu, D., Popișter, F. Buna, Z., Badiu I., *TRACKING METHODS USED IN AUGMENTED REALITY MANUFACTURING*, Proceedings of the 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, 1-5 iulie, ISBN:978-973-662-978-5, 2014 Cluj-Napoca, Romania; [ISI Proceedings]
6. 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 and Mechanics, Vol.58, Issue I, Martie, 2015. ISSN 1221 – 5872, pp. 53-58; [ISI Proceedings]
7. Popescu, D., Popișter, F., Eles, A., Comes, R., *IMPROVING THE QUALITY OF PLASTIC PARTS OBTAINED BY 3D PRINTING*, ACTA TECHNICA NAPOCENSIS series: Applied Mathematics and Mechanics, Vol.58, Issue I, Martie, 2015. ISSN 1221 – 5872, pp. 25-30; [ISI Proceedings]
8. Comes, R., Neamțu, C., *DESIGN A LOW-COST EYEWEAR DISPLAY ADAPTED TO ADDITIVE MANUFACTURING*, ACTA TECHNICA NAPOCENSIS series: Applied Mathematics and Mechanics, Vol.58, Issue 4, Noiembrie, 2015. ISSN 1221 – 5872, pp. 563-566; [ISI Proceedings]
9. Neamțu, C., Comes, R., *IMPROVING THE DESIGN OF PLASTIC ANCHORS FOR POLYSTYRENE*, ACTA TECHNICA NAPOCENSIS series: Applied Mathematics and Mechanics, Vol.58, Issue 4, Decembrie, 2015. ISSN 1221 – 5872, pp. 525-532; [ISI Proceedings]
10. 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 and Mechanics, Vol.59, Issue 4, Decembrie, 2016. ISSN 1221 – 5872, pp. 365-368; [ISI Proceedings]
11. Măruțoiu, C., Bratu, I., Nemeș, O.F, Diț, I.-I., Comes, R., Tanaselia C., Falamas A., Miclaus, M., Marutoiu, V.C., Moraru R., *INSTRUMENTAL ANALYSIS OF MATERIALS AND TOPOLOGY OF THE IMPERIAL GATES BELONGING TO THE APAHIDA WOODEN CHURCH, CLUJ COUNTY*, Journal of Vibrational Spectroscopy, Vol. 89, Elsevier, 2017, ISSN: 0924-2031, pp. 131-136. [ISI Galben]
12. Neamțu, C., Comes, R., Mateescu, R., Ghinea R., Daniel, F., *USING VIRTUAL REALITY TO TEACH HISTORY*, Proceedings of ICVL 2012, the 7th international conference on virtual learning, models & methodologies, technologies, software solutions, 2012, ISSN 1844-8933, pp. 301-310;
13. Hodor, A., Berce, P., Comes, R., *SOME CONSIDERATIONS ABOUT 3D REPLICATION OF*

- COMPLEX SURFACES*, ACTA TECHNICA NAPOCENSIS series: Applied Mathematics and Mechanics, Vol.56, Issue I, Martie, 2013. ISSN 1221 – 5872, pp. 153-158;
14. **Comes, R.**, Buna, Z., Badiu, I., *CREATION AND PRESERVATION OF DIGITAL CULTURAL HERITAGE*, Journal of Ancient History and Archaeology, Vol.1, Issue 2, August, 2014, ISSN 2360-266X, pp. 50-56; [ERIH+]
 15. Buna, Z., **Comes, R.**, Badiu, I., *PARAMETERISED DATABASE CREATION FOR CONSTRUCTION ELEMENTS OF MONUMENTS*, Journal of Ancient History and Archaeology, Vol.1, Issue 3, Octombrie, 2014, ISSN 2360-266X, pp. 92-98; [ERIH+]
 16. Badiu, I., Buna, Z., **Comes, R.**, *AUTOMATIC GENERATION OF ANCIENT POTTERY PROFILES USING CAD SOFTWARE*, Journal of Ancient History and Archaeology, Vol.2, Issue 2, August, 2015, ISSN 2360-266X, pp. 74-83; [ERIH+]
 17. **Comes, R.**, *HAPTIC DEVICES AND TACTILE EXPERIENCES IN MUSEUM EXHIBITIONS*, Journal of Ancient History and Archaeology, Vol.3, Issue 4, Decembrie, 2016, ISSN 2360-266X, pp. 60-64; [ERIH+]
 18. 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, Decembrie, 2016, ISSN 2360-266X, pp. 65-74; [ERIH+]
 19. Popescu, D., **Comes, R.**, Neamtu, C., Popișter, F., *USING AUGMENTED REALITY IN METROLOGY FOR TECHNICAL DRAWINGS AND CAD DATA MANAGEMENT*, Proceedings of the 11th INTERNATIONAL SCIENTIFIC CONFERENCE Coordinate Measuring Technique, 2014, 2-4 aprilie 2014, Bielsko-Biala, Polonia;
 20. Bodi, S.; **Comes, R.**; Weckenmann, A.; Popescu, S., *Assistive augmented environment for quality inspection and statistical process control*, Proceedings of the 2016 International Conference on Production Research & 4th International Conference on QIEM, pp. 494-499, ISBN 978-606-737-180-2, 25-30 July 2016, Cluj-Napoca, Romania.
 21. Bere, P, Neamtu, C., Dudescu, M, **Comes, R.**, Solcan, S. *Carbon epoxy front hood for an electrical city vehicle*, MATEC Web of Conferences 137, 08001

II. Teză de doctorat:

Universitatea Tehnică din Cluj-Napoca

Titlul: „CONTRIBUTII PRIVIND RECONSTITUIREA, VIZUALIZAREA SI INTERACTIUNEA IN MEDIUL VIRTUAL CU ARTEFACTE ISTORICE AFERENTE PATRIMONIULUI CULTURAL”

Domeniul de specializare: Inginerie industrială

Conducător științific : Prof.dr.ing. Daniela POPESCU, susținere publică: 6 Noiembrie 2015.

III. Lucrări didactice:

1. Neamtu 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.
2. Neamtu Călin, Daniela Popescu, Curta Razvan, **Comes Radu**, Bodi Stefan, SolidWorks 2016 – Student’s ISBN 978-606-543-907-8, Editura Mega, Cluj-Napoca, 2017.

IV. Proiecte / contracte de cercetare:

1. **2012** *Digitizarea planurilor săpăturilor arheologice. Digitizarea artefactelor rezultate în urma săpăturilor arheologice* Muzeul Național de Istorie a Transilvaniei - Ministerul Culturii din România [Membru în echipa de cercetare]
2. **2014-2015** *Poli de competitivitate – asociația "Cluter mobilier Transilvan"* Beneficiar Smart Furniture SRL contract nr. 12 P01 001 finanțat în cadrul programului POSCCE 2007-2013 [Membru în echipa de cercetare]

3. **2014-2017** *Multidisciplinary assessment of imperial gates of the XV-XVI churches for conservation and restoration within classic and digital methods to ensure the community viability*, Executive agency for financing higher education, reasearch development and innovation,
Cod proiect -PN-II-PT-PCCA-2013-4-1882 [**Membru în echipa de cercetare**]
4. **2015-2017** *When ancient everyday life becomes UNESCO heritage*,
Cod proiect PA-16/RO 12 – LP10 [**Membru în echipa de cercetare**]
5. **2017- prezent** *Made in Danube Transnational Programme*
Cod proiect DTP1-1-072-1.1 [**Membru în echipa de cercetare**]
6. **2018 – prezent** *Elaborarea de metodologii complexe privind atribuirea și autentificarea unor picturi medievale și premoderne din patrimoniul național*, PN-III-P1-1.2-PCCDI-2017-0812 [**Membru în echipa de cercetare**]

V. Certificat de competență lingvistică:

- **Limba engleză – Nivel B2**, Certificat emis de Departamentul L.M.C. al Universității Tehnice din Cluj-Napoca, Nr. 01609 / 08.01.2016;

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08.01.2018

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