

A N E X A 4 . 1

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Gradul didactic: Conf. dr. ing.

Instituția unde este titular: Universitatea Națională de Știință și Tehnologie POLITEHNICA București

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L I S T A

lucrărilor științifice în domeniul disciplinelor din postul didactic

A. Teza de doctorat

1. „Contribuții privind realizarea unui sistem cooperativ de dezvoltare a produselor industriale pe baza tehnicilor CAD – CAM – CAE”.

B. Cărți și capitole în cărți publicate în ultimii 10 ani

1. **Cicerone Laurențiu Popa**, Costel Emil Coteț – Managementul de proiect în ingineria industrială, Editura POLITEHNICA PRESS, COD CNCIS 19, ISBN 978-606-515-808-5, 104 pag., București, 2018.
2. **Cicerone Laurențiu Popa**, Costel Emil Coteț – Utilizarea WITNESS Horizon pentru managementul fluxurilor materiale în ingineria industrială, Îndrumar de laborator și proiect, Editura POLITEHNICA PRESS, COD CNCIS 19, ISBN 978-606-515-807-8, 213 pag., București, 2018.

C. Lucrări indexate ISI/BDI publicate în ultimii 10 ani**C1. Lucrări indexate ISI (cu precizare WOS) în ordine descrescătoare a datei publicării**

1. **Cicerone Laurentiu Popa**, Ioana Iorga, Costel Emil Cotet, Ana Maria Ifrim, Constantin-Adrian Popescu, and Tiberiu Gabriel Dobrescu. 2024. "Optimization of Wiring Harness Logistics Flow in the Automotive Industry" Applied Sciences 14, no. 22: 10636. <https://doi.org/10.3390/app142210636>
2. **Cicerone Laurentiu Popa**, Floarea-Loredana Seileanu, Costel Emil Cotet, Florina Chiscop, and Constantin-Adrian Popescu. 2024. "Optimization Processes in Automotive Logistic Flow" Applied Sciences 14, no. 21: 10064. <https://doi.org/10.3390/app142110064>
3. **Popa, C. L.**, Dobrescu, T. G., Silvestru, C. I., Firulescu, A. C., Popescu, C. A., & Cotet, C. E. (2021). Pollution and Weather Reports: Using Machine Learning for Combating Pollution in Big Cities. Sensors (Basel, Switzerland), 21(21), 7329. <https://doi.org/10.3390/s21217329>, Factor de impact:3.275, WOS:000718516600001
4. Cotet C.E., Deac G.C., Deac N.C., **Popa C.L.**, - “An Innovative Industry 4.0 Cloud Data Transfer Method for an Automated Waste Collection System”, revista Sustainability 2020, 12(5), 1839; 2020, ISSN: 2071-1050, doi:10.3390/su12051839, Accession Number: WOS:000522470900140, FI:2.576
5. **Cicerone Laurentiu Popa**, Costel Emil Cotet, Diana Popescu, Mihai Florin Solea, Simona Gheorghita Șașcîm (Dumitrescu) and Tiberiu Dobrescu - Material flow design and simulation for a

glass panel recycling installation, WASTE MANAGEMENT & RESEARCH, Volume: 36, Issue: 7, Pages: 653-660, DOI: 10.1177/0734242X18775487, Published: JUL 2018, Accession Number: WOS:000438626300010, PubMed ID: 29807500, ISSN: 0734-242X, eISSN: 1096-3669, Factor de impact: 1.631

6. **Cicerone Laurentiu Popa**, George Carutasu, Costel Emil Cotet, Nicoleta Luminita Carutasu, Tiberiu Dobrescu - Smart City Platform Development for an Automated Waste Collection System, revista Sustainability, vol. 9, issue 11, 2064; 15 pagini, ISSN: 2071-1050, doi:10.3390/su9112064 (ISI Impact Factor 1.789 în 2016, Q2 - ISI galben), 2017, Accession Number: WOS:000416793400144.
7. Cotet, C.E.; **Popa, C.L.**; Enciu, G., Popescu, A. & Dobrescu T., Using CAD and flow simulation for educational platform design and optimization, International Journal of Simulation Modelling IJSIMM, vol. 15, no. 1, March 2016, pg.5-15, ISSN 1726-4529, doi: 10.2507/IJSIMM15(1)1.310, (ISI Impact Factor 1.770 în 2016), 2016, Accession Number: WOS:000320830500002.....

C2. Lucrari indexate BDI (cu precizare ISSN/ISBN publicatie) in ordine descrescatoare a datei publicarii

1. Constantin-Rareș DIACONU, Constantin-Adrian POPESCU, **Cicerone Laurențiu POPA**, Emilia-Maria POPESCU, Costel Emil COTEȚ - Using software and mathematical methods to optimise a bottling flow, Journal PROCEEDINGS IN MANUFACTURING SYSTEMS Volume 18, Issue 4, 2023 pp.137-142, ISSN 2067-9238
2. Crina Deac, Gicu Călin Deac, Radu Constantin Parpala, **Cicerone Laurentiu Popa** and Constantin Adrian Popescu - Vibration Anomaly Detection Using Multivariate Time Series, IJMO 2022 Vol.12(2): 61-65 ISSN: 2010-3697, DOI: 10.7763/IJMO.2022.V12.801, (ProQuest, Crossref, Electronic Journals Library, Google Scholar, EI (INSPEC, IET), EBSCO)
3. Gicu-Călin Deac, Crina-Narcisa Georgescu, **Cicerone Laurentiu Popa**, Tiberiu Dobrescu, and Costel Emil Cotet - Virtual Reality Laboratory for Distance Learning, IJMO 2022 Vol.12(2): 49-53 ISSN: 2010-3697, DOI: 10.7763/IJMO.2022.V12.799, (ProQuest, Crossref, Electronic Journals Library, Google Scholar, EI (INSPEC, IET), EBSCO)
4. Crina Deac, Gicu Călin Deac, Radu Constantin Parpală, **Cicerone Laurentiu Popa**, and Costel Emil Cotet - Vibration Anomaly Detection using Deep Neural Network and Convolutional Neural Network - IJMO 2021 Vol.11(1): 19-28 ISSN: 2010-3697, DOI: 10.7763/IJMO.2021.V11.772, (ProQuest, Crossref, Electronic Journals Library, Google Scholar, EI (INSPEC, IET), EBSCO)
5. Ioana STEFAN (IORGA), Constantin-Adrian POPESCU, **Cicerone Laurențiu POPA**, Tiberiu Gabriel DOBRESCU, Costel Emil COTEȚ - The usage of RFID technology in wiring component storage systems, Journal PROCEEDINGS IN MANUFACTURING SYSTEMS, pages 109 - 116, Volume 16, Issue 3, 2021, ISSN 2343-7472, ISSN-L 2067-9238 (Copernicus)
6. POPESCU Emilia-Maria, POPESCU Constantin Adrian, **POPA Cicerone Laurentiu**, DOBRESCU Tiberiu Gabriel, COTET Costel Emil "Identifying speeds and accelerations for the systems within a didactic stand operated by means of stepper motors" in "MATEC Web of Conferences" (2021-01-01): 02006 DBI: MS Academic Research
7. Stefan (Iorga) Ioana, POPESCU Constantin Adrian, **POPA Cicerone Laurentiu**, DOBRESCU Tiberiu Gabriel, COTET Costel Emil "Research regarding assembly flow optimization of wiring

- harness in automotive industry" in "MATEC Web of Conferences" (2021-01-01): 02003 DBI: MS Academic Research
8. Crina Narcisa GEORGESCU, Gicu-Călin DEAC, **Cicerone Laurențiu POPA**, Costel Emil COTEȚ, Computerized maintenance management system (CMMS) IOTIA – maintenance platform implementation for Industry 4.0, Journal PROCEEDINGS IN MANUFACTURING SYSTEMS, pages pp. 103-111, Volume 15, Issue 3, 2020, ISSN 2343–7472, ISSN-L 2067-9238
 9. Gicu-Călin DEAC, Crina Narcisa GEORGESCU, **Cicerone Laurențiu POPA**, Costel Emil COTEȚ, Implementation of a virtual reality collaborative platform for Industry 4.0 offices, Journal PROCEEDINGS IN MANUFACTURING SYSTEMS, pages 95-102, Volume 15, Issue 3, 2020, ISSN 2343–7472, ISSN-L 2067-9238 (Copernicus)
 10. Gicu-Călin Deac, Crina-Narcisa Georgescu, **Cicerone Laurentiu Popa**, and Costel Emil Cotet, Virtual Reality Digital Twin for a Smart Factory, IJMO 2020 Vol.10(6): 190-195 ISSN: 2010-3697, DOI: 10.7763/IJMO.2020.V10.769, (ProQuest, Crossref, Electronic Journals Library, Google Scholar, EI (INSPEC, IET), EBSCO)
 11. Deac, G.C., Georgescu, C.N., **Popa, C.L.**, Ghinea, M., Cotet, C.E. (2018) Virtual reality exhibition platform Annals of DAAAM and Proceedings of the International DAAAM Symposium 29(1), pp. 0232-0236 DOI:10.2507/29th.daaam.proceedings.033, ISSN: 17269679 (Scopus)
 12. Crina Narcisa GEORGESCU, Gicu-Călin DEAC, Florina CHISCOP, **Cicerone Laurențiu POPA**, Costel Emil COTEȚ, Video working instruction system, Journal PROCEEDINGS IN MANUFACTURING SYSTEMS, pages 67-72, Volume 14, Issue 1, 2019, ISSN 2343–7472, ISSN-L 2067-9238 (Copernicus)
 13. Gicu-Călin DEAC, Crina Narcisa GEORGESCU, **Cicerone Laurențiu POPA**, Costel Emil COTEȚ, Florina CHISCOP, New method for sending data to the cloud from an OPC UA client application, Journal PROCEEDINGS IN MANUFACTURING SYSTEMS, pages 55-60, Volume 14, Issue 1, 2019, ISSN 2343–7472, ISSN-L 2067-9238 (Copernicus)
 14. Crina Narcisa GEORGESCU (DEAC), Gicu-Călin DEAC, Ghinea MIHALACHE, Costel Emil COTEȚ, **Cicerone Laurențiu POPA**, VIRTUAL REALITY BROADCASTING STUDIO, Journal RST, pages 48-57, Supplement 1, 2019, ISSN 2344–0007, ISSN-L 2344-0007 (Copernicus)
 15. **Popa, Cicerone Laurentiu** & Cotet, Costel Emil - Virtual Model in Monitoring and Optimization of a Selective Waste Collection Integrated System, Proceedings of 5th International Conference on Advanced Manufacturing Engineering and Technologies (NEWTECH 2017), Lecture Notes in Mechanical Engineering, pg. 41-55, Springer International Publishing, ISSN 2195-4356, doi: 10.1007/978-3-319-56430-2_4, 2017, indexare BDI: Scopus, WorldCat.
 16. Gicu Calin Deac, Crina Narcisa Deac, **Cicerone Laurentiu Popa**, Mihalache Ghinea & Costel Emil Cotet - Machine Vision in Manufacturing Processes and the Digital Twin of Manufacturing Architectures, Proceedings of the 28th DAAAM International Symposium, pg. 0733-0736, Published by DAAAM International, ISBN 978-3-902734-11-2, ISSN 1726-9679, doi: 10.2507/28th.daaam.proceedings.103, Vienna, Austria, 2017, indexare BDI: Scopus, EBSCO.
 17. Crina Narcisa Deac, Gicu Calin Deac, **Cicerone Laurentiu Popa**, Mihalache Ghinea & Costel Emil Cotet - Using Augmented Reality in Smart Manufacturing, Proceedings of the 28th DAAAM International Symposium, pg.0727-0732, Published by DAAAM International, ISBN 978-3-902734-

- 11-2, ISSN 1726-9679, doi: 10.2507/28th.daaam.proceedings.102, Vienna, Austria, 2017, indexare BDI: Scopus, EBSCO.
18. **Cicerone Laurentiu Popa**, Costel Emil Cotet, Radu Constantin Parpala and Tiberiu Dobrescu - Methodology for computer-assisted optimization of waste flow, MATEC Web of Conferences, Volume 121, 04008, 6 pagini, Published by EDP Sciences, ISSN: 2261-236X, doi: 10.1051/mateconf/201712104008, 2017, WOS:000435283800060.
19. George Enciu, Adrian Popescu, **Cicerone Laurentiu Popa** and Costel Emil Cotet - Virtual model of an automated system for the storage of collected waste, MATEC Web of Conferences, Volume 121, 04006, 7 pagini, Published by EDP Sciences, ISSN: 2261-236X, doi: 10.1051/mateconf/201712104006, 2017, WOS:000435283800058.
20. Radu Constantin PARPALĂ, **Cicerone Laurențiu POPA**, Andrei Mario IVAN - Designing an Internet of Things (IoT) ready device for machine tool monitorizing, Proceedings in Manufacturing Systems, Volume 12, Issue 3, pg. 135-139, ISSN 2067-9238, 2017, indexare BDI: Index Copernicus.
21. Simona Gheorghita Șașcîm (Dumitrescu), **Cicerone Laurențiu Popa**, Cristian Eugen Stoica, Costel Emil Coteț - Optimizing asphalt mixtures material flow, U.P.B. Scientific Bulletin, Series D, Vol. 78, Issue 2, pg.93-104, ISSN 1454-2358, 2016, indexare BDI: Scopus, WorldCat.

D. Lucrări publicate în ultimii 10 anii în reviste și volume de conferințe cu referenți (neindexate BDI)

- Reviste (neindexate BDI)

- Selecție cu maximum 20 lucrări în volume de conferințe (neindexate BDI)

1. C.E. Cotet, **C.L. Popa**, G. Enciu, A. Popescu and C.E. Stoica - Material flow digital twinning in the Industry 4.0 paradigm, Proceedings of the 14th International Conference on Management and Innovative Technologies - MIT 2016, pg. 43-49, ISBN 978-961-6980-17-3, 2016

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Semnătura: