Anexa 8

LISTA LUCRĂRILOR ȘTIINȚIFICE ELABORATE

Conf. dr. ing. Cicerone Laurențiu POPA

I. TEZA (E) DE DOCTORAT (T)

T1: „Contribuții privind realizarea unui sistem cooperativ de dezvoltare a produselor industriale pe baza tehnicilor CAD – CAM – CAE”. Teza de doctorat a fost susținută public în data de 28.11.2007 obținând ca propunere de validare din partea comisiei calificativul „foarte bine” și acordarea titlului de Doctor în domeniul Inginerie Industrială, fiind prezentate la susținere 44 de aprecieri pozitive ale lucrării. Diploma de doctor în domeniul Inginerie Industrială a fost emisă în baza ordinului Ministrului Educației, Cercetării și Tineretului nr. 4887 din 25.07.2008.

II. CĂRŢI PUBLICATE (C)

Ca1 Popa Cicerone Laurențiu, Coteț Costel Emil - Aplicații software pentru proiecte multipolare, Editura Bren, ISBN 978-606-610-343-5, 130 pag., București, 2025.

Ca2 Popa Cicerone Laurențiu, Coteț Costel Emil – Managementul de proiect în ingineria industrială, Editura POLITEHNICA PRESS, ISBN 978-606-515-808-5, 104 pag., Bucureşti, 2018.

Ca3 Coteț Costel Emil, Popescu Diana, **Popa Cicerone Laurențiu**, Chiscop Florina - Managementul fluxurilor materiale în ingineria industrială, Editura POLITEHNICA PRESS, ISBN 978-606-515-581-7, 153 pag., Bucureşti, 2014.

Ca4 Coteț Costel Emil, **Popa Cicerone Laurențiu** – Management industrial. Editura POLITEHNICA PRESS, ISBN 978-606-515-582-4, 183 pag., Bucureşti, 2014.

III. ALTE MATERIALE PUBLICATE (I,D)

I1 – **Popa Cicerone Laurențiu**, Coteț Costel Emil, Chiscop Florina - Utilizarea Project Professional pentru managementul de proiect în ingineria industrială, Editura Bren, ISBN 978-606-610-341-1, 153 pag., Bucureşti, 2025.

I2 – **Popa Cicerone Laurențiu**, Coteț Costel Emil – Utilizarea Witness Horizon pentru managementul fluxurilor materiale în ingineria industrială, Editura POLITEHNICA PRESS, ISBN 978-606-515-807-8, 213 pag., Bucureşti, 2018.

I3 – Coteț Costel Emil, **Popa Cicerone Laurențiu** – Managementul fluxurilor materiale în ingineria industrială. Aplicații în Witness. Editura POLITEHNICA PRESS, , ISBN 978-606-515-575-6, 120 pag., Bucureşti, 2014.

I4 – Coteț Costel Emil, **Popa Cicerone Laurențiu**, Popescu Diana, Chiscop Florina, Rosu N. – Optimizarea fluxurilor materiale cu valori discrete. Aplicații în Witness. Editura POLITEHNICA PRESS, ISBN 978-606-515-576-3, 113 pag., Bucureşti, 2014.

I5 – Popescu Diana, **Popa Cicerone Laurențiu**, Ciobanu Lidia Florentina, Grigoroiu G.E., Constantinescu Carmen Cristiana - Indrumar CAD CATIA V5R8, editura AIUS, ISBN 973-700-011-0, 165 pag., Craiova, 2004.

IV. ARTICOLE / STUDII IN EXTENSO PUBLICATE (R,V)

Ris1 – **Cicerone Laurentiu Popa**, Ioana Iorga, Costel Emil Cotet, Ana Maria Ifrim, Constantin-Adrian Popescu, Tiberiu Gabriel Dobrescu. Optimization of Wiring Harness Logistics Flow in the Automotive Industry. Applied Sciences 14, no. 22: 10636, https://doi.org/10.3390/app142210636, Q1 la data publicării, 2024, WOS:001366735200001.

Ris2 – **Cicerone Laurentiu Popa**, Floarea-Loredana Seileanu, Costel Emil Cotet, Florina Chiscop, and Constantin-Adrian Popescu. Optimization Processes in Automotive Logistic Flow. Applied Sciences 14, no. 21: 10064. https://doi.org/10.3390/app142110064, Q1 la data publicării, 2024, WOS:001351056700001.

Ris3 – Florina Chiscop, Adrian Ionut Vlase, Carmen-Cristiana Cazacu, **Cicerone Laurentiu Popa**, Costel Emil Cotet. Manufacturing Productivity Improvement by Integrating Digital Tools Illustrated in the Optimization of a Hub Assembly Line. Machines 13, no. 9: 849. https://doi.org/10.3390/machines13090849, Q2 la data publicării, 2025, WOS:001580502300001.

Ris4 – Florina Chiscop, Andrei Serban, Carmen-Cristiana Cazacu, **Cicerone Laurentiu Popa**, Costel Emil Cotet. Virtual Commissioning for Optimization of an Automated Brushless Stator Assembly Line. Processes 13, no. 12: 3793. https://doi.org/10.3390/pr13123793, Q3 la data publicării, 2025, WOS:001648272600001.

Ris5 – Florina Chiscop, Eduard Stefan Jitaru, Carmen-Cristiana Cazacu, **Cicerone Laurentiu Popa**, Lidia Florentina Parpala, Costel Emil Cotet. Enhancing Production Line Station Efficiency and Performance via Dynamic Modelling Techniques. Processes 13, no. 10: 3176. https://doi.org/10.3390/pr13103176, Q3 la data publicării, 2025, WOS:001601608400001.

Ris6 – Carmen-Cristiana Cazacu, Ioana Iorga, Radu Constantin Parpală, **Cicerone Laurențiu Popa**, Costel Emil Coteț. Optimizing Assembly in Wiring Boxes Using API Technology for Digital Twin. Applied Sciences 14, no. 20: 9483. https://doi.org/10.3390/app14209483, Q1 la data publicării, 2024, WOS:001341740200001.

Ris7 – Radu Constantin Parpală, Mario Andrei Ivan, Lidia Florentina Parpală, Costel Emil Coteț, **Cicerone Laurențiu Popa**. Camera Calibration in High-Speed Robotic Assembly Operations. Applied Sciences 14, no. 19: 8687. https://doi.org/10.3390/app14198687, Q1 la data publicării, 2024, WOS:001332179100001.

Ris8 – **Cicerone Laurentiu Popa**, Tiberiu Gabriel Dobrescu, Catalin-Ionut Silvestru, Alexandru-Cristian Firulescu, Constantin Adrian Popescu, Costel Emil Cotet. Pollution and Weather Reports: Using Machine Learning for Combating Pollution in Big Cities. Sensors 21, no. 21: 7329. https://doi.org/10.3390/s21217329, Q1 la data publicării, 2021, WOS:000718516600001.

Ris9 – Costel Emil Cotet, Gicu Calin Deac, Crina Narcisa Deac, **Cicerone Laurentiu Popa**. An Innovative Industry 4.0 Cloud Data Transfer Method for an Automated Waste Collection System. Sustainability 12, no. 5: 1839. https://doi.org/10.3390/su12051839, Q2 la data publicării, 2020, WOS:000522470900140.

Ris10 – **Cicerone Laurentiu Popa**, Costel Emil Cotet, Diana Popescu, Mihai Florin Solea, Simona Gheorghiţa Şaşcîm (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 , ISSN: 0734-242X, eISSN: 1096-3669, 2018, WOS:000438626300010.

Ris11 – **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, 9(11), 2064; 15 pagini, doi:10.3390/su9112064, WOS:000416793400144, Q2 la data publicării, 2017.

Ris12 – Costel Emil Cotet; **Cicerone Laurentiu Popa**; George Enciu., Adrian Popescu, Tiberiu Dobrescu. 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/IJSIMM12(2)2.225, 2016, WOS:000320830500002.

Vis1 - Crina Narcisa Deac, Gicu Calin Deac , Florina Chiscop, **Cicerone Laurentiu Popa**. Methods to identify time series abnormalities and predicting issues caused by component failures, MATEC Web Conf, Volume 290, 9th International Conference on Manufacturing Science and Education – MSE 2019 "Trends in New Industrial Revolution",Article Number 02002, 2019, WOS:000569367700025.

Vis2 – **Popa C.L.,** Cotet C. E., Ionita V. and Gavrila St. Modelling processing cell architecture by material flow simulation, Procedia Engineering 100, pp 334 – 339, Published by Elsevier Ltd., ISSN: 1877-7058 doi:10.1016/j.proeng.2015.01.376, 2015, WOS:000380551900041.

Vis3 – **Popa, C.L.,** Parpala, R.C., Cotet, C. E. - Contact identification for Assembly/Disassembly process in CAD-CAE software. Annals of DAAAM for 2012 & Proceedings of The 23rd DAAAM International Symposium Intelligent Manufacturing & Automation, Volume 23, No.1, ISSN 2304-1382, ISBN 978-3-901509-91-9, pp 0613-0616, 2012, WOS: 000392423800143.

Vis4 – Chiscop, F.; **Popa C.L.;** Cotet C. E. Discrete material flow simulation in productivity diagnosis, Proceedings of the 5th International Conference on Manufacturing Science and Education (MSE 2011), pag.101-104, ISSN 1843-2522, Sibiu, Romania, , 2011, WOS:000393733400025.

Vis5 – Popescu D., Parpala R.C., **Popa C.L.,** Iacob R., Assembly/Disassembly advanced capabilities in CAD, CAE software, International Conference on Manufacturing Science and Education (MSE 2011), 2011, WOS:000393733400036.

Vis6 – Chiscop, F.; **Popa C.L.;** Cotet C. E. Product and Manufacturing Architecture Design using Virtual Modelling and Simulation Techniques, Proceedings of the 5th International Conference on Optimisation of the Robots and Manipulators (OPTIROB'2010), pag.241-245, ISBN 978-981-08-5840-7, 2010, WOS: 000392682500043.

Vis7 – Cotet, C.E., **Popa, C. L.** & Anghel, F. Integrating Discrete Material Flow Simulation in Product Lifecycle Management, in the Annals of DAAAM for 2009 & Proceedings of the 20th International DAAAM Symposium, ISBN:978-3-901509-70-4, ISSN: 1726-9679, 2009, WOS:000282335600183.

Vis8 – Anghel F., **Popa C.L.**, Aurite T., Functional and Technological Remodelling in Optimizing Manufacturing Networks Architecture, in the Annals of DAAAM for 2009 & Proceedings of the 20th International DAAAM Symposium, ISBN 978-3-901509-70-4, ISSN 1726-9679, 2009, WOS:000282335600405.

Vis9 – Constantin-Adrian Popescu, Tudor George Alexandru, Emilia-Maria Popescu, **Cicerone Laurențiu Popa**, Cristina-Luciana Dudici, Design and structural analysis of a robotic platform for logistic systems, Proceedings in Manufacturing Systems, Vol. 19, Issue 4, 2024, pp. 143-150, BDI: Index Copernicus și ProQuest.

Vis10 – 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, Proceedings in Manufacturing Systems, Volume 18, Issue 4, 2023 pp.137-142, ISSN 2067-9238, BDI: Index Copernicus și ProQuest.

Vis11 – Crina Deac, Gicu Călin Deac, Radu Constantin Parpala, **Cicerone Laurentiu Popa**, 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, BDI: ProQuest, Crossref, Electronic Journals Library, EBSCO.

Vis12 – 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, BDI: ProQuest, Crossref, Electronic Journals Library, EBSCO.

Vis13 – Crina Deac, Gicu Călin Deac, Radu Constantin Parpală, **Cicerone Laurentiu Popa**, 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, BDI: ProQuest, Crossref, Electronic Journals Library, EBSCO.

Vis14 – 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, BDI: Index Copernicus și ProQuest.

Vis15 – 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, BDI: EBSCO, INSPEC.

Vis16 – 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), BDI: EBSCO, INSPEC.

Vis17 – 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, Proceedings n Manufacturing Systems, pages pp. 103-111, Volume 15, Issue 3, 2020, BDI: Index Copernicus și ProQuest.

Vis18 – Gicu-Călin Deac, Crina Narcisa Georgescu, **Cicerone Laurențiu Popa**, Costel Emil Coteț. Implementation of a virtual reality collaborative platform for Industry 4.0 offices, Proceedings n Manufacturing Systems, pages 95-102, Volume 15, Issue 3, 2020, BDI: Index Copernicus și ProQuest.

Vis19 – Gicu-Călin Deac, Crina-Narcisa Georgescu, **Cicerone Laurentiu Popa**, 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, BDI: ProQuest, Crossref, Electronic Journals Library, EBSCO.

Vis20 – Deac, G.C., Georgescu, C.N., **Popa, C.L.,** Ghinea, M., Cotet, C.E. 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, 2018, BDI: Scopus

Vis21 – Crina Narcisa Georgescu, Gicu-Călin Deac, Florina Chiscop, **Cicerone Laurențiu Popa**, Costel Emil Coteț, Video working instruction system, Proceedings n Manufacturing Systems, pages 67-72, Volume 14, Issue 1, 2019, BDI: Index Copernicus și ProQuest.

Vis22 – 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, Proceedings n Manufacturing Systems, pages 55-60, Volume 14, Issue 1, 2019, BDI: Index Copernicus și ProQuest.

Vis23 – 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, BDI: Index Copernicus.Punctaj=15/5=3

Vis24 – Florina Chiscop, Ioana Catalina Enache, **Cicerone Laurentiu Popa**, Tiberiu Gabriel Dobrescu & Costel Emil Cotet. Modelling, simulation and optimization of a chest freezer manufacturing architecture Annals of DAAAM and Proceedings of the International DAAAM Symposium, pages 197 - 206, Volume 30, No.1, 2019, BDI: Scopus

Vis25 – **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, 2017, BDI: Scopus, WorldCat

Vis26 – **Cicerone Laurentiu Popa**, Costel Emil Cotet, Radu Constantin Parpala, Tiberiu Dobrescu. Methodology for computer-assisted optimization of waste flow, MATEC Web Conf., Volume 121, 8th International Conference on Manufacturing Science and Education – MSE 2017 "Trends in New Industrial Revolution", 2017, BDI: Scopus, WorldCat.

Vis27 – George Enciu, Adrian Popescu, **Cicerone Laurentiu Popa**, Costel Emil Cotet. Virtual model of an automated system for the storage of collected waste, MATEC Web Conf., Volume 121, 8th International Conference on Manufacturing Science and Education – MSE 2017 "Trends in New Industrial Revolution", 2017, BDI: Scopus, WorldCat.

Vis28 – 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, pp.0733-0736,2017, DOI:10.2507/28th.daaam.proceedings.103, BDI: Scopus.



Vis29 – 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, pp.0727-0732, 2017, DOI: 10.2507/28th.daaam.proceedings.102, BDI: Scopus.

Vis30 – 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, 2017, 135-139, ISSN 2067-9238, BDI: Index Copernicus.

Vis31 – Şaşcîm (Dumitrescu) Simona Gheorghiţa, **Popa Cicerone Laurenţiu**, Stoica Cristian Eugen, Coteţ Costel Emil, (2016), Optimizing asphalt mixtures material flow, U.P.B. Scientific Bulletin, Series D, Vol. 78, Iss. 2, 2016, pp.93-104, ISSN 1454-2358, BDI: Scopus, WorldCat.

Vis32 – **Popa Cicerone Laurentiu**; Cotet Costel Emil; Constantin Florin & Zaleschi Violeta -Carmen. Optimizing a Beverage Can Production Line by Material Flow Simulation, Proceedings of the 26th DAAAM International Symposium, pg.0206-0211, 2016, BDI: SCOPUS, WordCat.

Vis33 – **Popa Cicerone Laurentiu**, Cotet Costel Emil, Gavrila Stefan, Ionita Valentin – Modelling. Simulation and Optimization of a Packaging and Palletizing System, Applied Mechanics and Materials Vol. 760 (2015) pp 205-211, doi:10.4028/www.scientific.net/AMM. 760.205Be. BDI: Scientific.net, EBSCO, WorldCat.

Vis34 – **Popa Cicerone Laurenţiu**, Coteţ Costel Emil, Şaşcîm (Dumitrescu) Simona Gheorghiţa, Stoica Cristian Eugen, Material flow management for processing plastic waste and toner dust, Academic Journal of Manufacturing Engineering, Volume 13, Issue 2 / 2015, pp. 36-41, 2015, BDI:Scopus.

Vis35 – Şaşcîm (Dumitrescu) S.G., Coteţ, C.E., **Popa, C.L.,** Stoica, G. Method and installation for recycling plastic waste and toner dust in the production of asphalt mixtures, Proceedings in Manufacturing Systems, Volume 9, Issue 4, 2014, pp 233-239, ISSN 2067-9238, BDI: Index Copernicus.

Vis36 – Cotet C.E., **Popa C.L.,** Chiscop F., Parpala L.F., Dragoi G., Rosu S.M. Assemble-Disassemble Cell Material Flow Management. Annals of DAAAM for 2011 & Proceedings of the 22nd International DAAAM Symposium, 2011, BDI: Scopus.

Vis37 – Cotet C.E., **Popa C.L.,** Chiscop F., Dragoi G., Adamescu D., Costache B. M. Multipolar simulation revisited in manufacturing networks management. Annals of DAAAM for 2010 & Proceedings of the 21st International DAAAM Symposium, 2010, BDI: Scopus.

Vis38 – **Popa, C. L.;** Iacob, R. & Parpala, R. C. Assembly/Disassembly Process Modeling, Annals of DAAAM for 2010 &Proceedings of the 21st International DAAAM Symposium, 2010, BDI: Scopus.

Vis39 – **Popa, C.L.** & Cotet,C.E. Discrete Material Flow Management in Multipolar Manufacturing Networks, Chapter 59 in DAAAM International Scientific Book 2010, pp. 679-686, ISBN 978-3-901509-74-2, ISSN 1726-9687, DOI: 10.2507/daaam.scibook.2010.59, BDI: WorldCat.

Vis40 – Coteţ C.E**., Popa C.L.,** Anghel F. Manufacturing architecture design using discrete material flow management – International Journal of Simulation Modelling IJSIMM, no. 4, vol. 8, December 2009, p.206-214, ISSN 1726-4529, BDI: SCOPUS.

Vis41 – Guran M., Coteţ C.E., **Popa C.L.** Knowledge-based economy main requirements regarding the definitions and the measurements for innovation as a system, Journal of Proceedings of the International conference on manufacturing systems ICMAS 2009, Volume 4, pag. 371-374, Editura Academiei Romane, 2009, BDI: Index Copernicus.

Vis42 – Ghionea A., Catrina D., **Popa C.L.** The Evolution and Technical Performances of Machining Centres, Journal of Proceedings of the International conference on manufacturing systems ICMAS 2009, Volume 4,pag. 069-074, Editura Academiei Romane, 2009, BDI: Index Copernicus

V. BREVETE DE INVENŢIE / INOVAŢII SAU CREAȚII ARTISTICE (B,A)

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VI. CONTRACTE ŞI RAPOARTE ŞTIINŢIFICE (P,F)

Pn1 – Sistem integrat de colectare selectivă a deșeurilor pentru un oraș inteligent – SMARTCOLLECT, Coordonator (CO) - UPB, Partener (P1) – SC ECOPROTECH ENGINEERING SRL, Programul 2 - Creşterea competitivităţii economiei româneşti prin cercetare, dezvoltare şi inovare, Tip proiect: Transfer de cunoaștere la agentul economic „Bridge Grant", Cod proiect: PN-III-P2-2.1-BG-2016-0437, Nr contractului: 84BG/01.10.2016, Director de proiect: **Popa Cicerone Laurențiu**, Durata proiect: 18 luni, 01.10.2016 - 30.03.2018, Valoare proiect: 453.875,00 lei.

Pn2 – Sistem automatizat de colectare separată a deșeurilor de echipamente electrice și electronice, GNAC ARUT 2023, 139/04.12.2023, 2023-2025, 13 luni. Director de proiect: Popa Cicerone Laurențiu, Valoare proiect: 49.725,00 lei.

Pn3 - Tehnologie și echipament de înaltă productivitate și precizie pentru micro-electroeroziune asistată de ultrasunete, PNII Parteneriate în domenii prioritare, 2012-2017, PT 765/15.09.2014, Director de proiect: Daniel Ghiculescu.

Pn4 - Proiectarea fluxului tehnologic al unei instalatii pentru reciclarea parbrizelor, Competiția Cecuri de inovare, PN-II-IN-CI-2012-1-0063, (2012) Beneficiar: Gremlin Computer SRL, Partener UPB, Responsabil de proiect Diana Popescu.

Pn5 - Modelarea Procesului de Asamblare/Dezasamblare (MoPAD), proiect TE, PN-II RU 233/2010, 2010-2013, director de proiect Diana Popescu.

Pn6 - Sistem complex de analiza, evaluare si corecţie a locomoţiei umane – SIMAM, (2008-2010), Contract AMCSIT, Nr. 215/07.10.2008, Responsabil de proiect partener UPB Diana Popescu.

Pn7 - Instrumente si tehnici de calcul de proiectare si analiza structurilor aeronautice intr-un mediu vizual 3D –INPROV, (2008-2010), Contract CNMP nr. 82-074/01.10.2008, Categoria de proiect: Complex, Responsabil de proiect partener UPB Diana Popescu.

Pn8 - Sistem suport pentru integrarea activităţilor de planificare a resurselor şi programare a activităților cu managementul proceselor de fabricație în organizaţiile virtuale (PROGPROC), (2007-2010), proiect CNMP 11014/2007, Contract nr. D1.1.-.0.1.4 /14.09.2007. G. Drăgoi, responsabil/director de proiect din partea UPB-PREMINV.

Pn9 - Sistem integrat CAD-CAM-CAE-pentru piese cu forme complexe din structura turbomotoarelor (COMOTI), (2007-2010), proiect CNMP 71-077 / 18.09.2007. Traian Aurite, responsabil/director de proiect din partea UPB-PREMINV.

Pn10 - Cercetari fundamentale si aplicative privind prelucrea cu jet de apa si particule abrazive orientate electromagnetic -ELMAJET, (2006-2008), Contract Nr. 256/ 11.09.2006, proiect CEEX PC, Victor Geanta responsabil/director de proiect din partea UPB-PREMINV.

Pn11 - Retea nationala de cercetare in domeniul ingineriei integrate a produselor si proceselor–INPRO, Proiect CEEX –PC, Nr. proiect: 1140, contract: 243/2006, Valoare totala 1500000 lei, din care 239.797 lei, UPB PREMINV (2006-2008), responsabil proiect Costel Coteț Emil.

Pn12 - Cercetări privind structurarea, proiectarea, dezvoltarea, în conceptul organizării moderne, avansate- virtuale, extinse- a întreprinderilor industriale şi a altor domenii/activităţi complexe din economie, proiect CEEX PC-D03-PT00-1034 - ORGVIRT, (2005-2008), contract nr. 83/3.10.2005. G. Drăgoi, responsabil de proiect din partea UPB-PREMINV.

Pn13 - Centru de Servicii pentru Instruire, Cercetare si Consultanta in noua Economie Digitala (CESICED), (2004-2006), contract Relansin nr. 1972/19.09.2004. G. Drăgoi, director de proiect.

Pn14 - Stand complex pentru testarea si incercarea suruburilor cu bile, (2004-2006), contract Relansin 1971/19.09.2004. director proiect UPB-PREMINV, Nicolae Predincea.

Pn15 - Cilindru cu piston diferenţial pentru măsurarea maselor şi a greutăţilor, (2004-2006), contract Relansin 2143/15.10.2004. director proiect Anton Hadăr.

VII. Lucrări în volumele unor manifestări ştiinţifice neindexate

1. Gicu-Călin DEAC, **Cicerone Laurentiu POPA**, Mihalache GHINEA, Costel Emil COTET, Nicoleta CARUTASU - Development and implementation of software solutions for WEEE identification, weighing and sorting, 15th International Conference on Management and Innovative Technologies, Research and Science Today Supplement No. 2/2017, pp. 225-231, ISSN-e: 2344 – 0007.

2. Diana POPESCU, **Cicerone Laurentiu POPA**, Radu Constantin PARPALA, Costel Emil COTET - Modular automated installation for separate waste collecting, 15th International Conference on Management and Innovative Technologies, Research and Science Today Supplement No. 2/2017, pp.66-72, ISSN-e: 2344 – 0007.

3. 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, pp. 43-49, ISBN 978-961-6980-17-3.

4. A. Ghionea, G. Constantin, I. Ghionea, **C.L. Popa**, Aspects of kinematic structures, configuration and working possibilities of milling machining centers, 10th of International Multidisciplinary Conference, ISBN 978-615-5097-66-9, pp.59-64, Baia Mare 2013

5. Cotet C.E. , **Popa C.L**. , Chiscop F. and Parpala R.C. (2011)- Increasing productivity for assemble-disassemble systems. Management of Innovative Technologies & Sustainable Life in Manufacturing (MIT&SLIM 2011), Fiesa, Slovenia.

6. Cotet C.E., **Popa C.L.,** Anghel F. (2009) - Something old, something new, something

borrowed, something blue in discrete material flow management, Proceedings of the 10th Conference on Management of Innovative Technologies (MIT'2009), Fiesa, Slovenia, 27-29 September 2009, ISBN 978-961-6536-38-7.

7. A. Ghionea, G. Constantin, **C.L. Popa**, Kinematic structures and machining possibilities of some CNC machine tools, Scientific Bulletin, Serie C, Volume XXIII, Fascicle: Mechanics, Tribology, Machine Manufacturing Technology, ISSN 1224-3264, Baia Mare ,Romania, 2009.

8. **C.L. Popa**, F. Anghel, C. E. Cotet, Integrated versus isolated discrete material flow simulation, Proceedings of the 4th International Conference on Manufacturing Science and Education (MSE'2009), Sibiu,Romania, 2009, pag.125-128, ISSN 1843-2522.

9. **C.L. Popa**, L.F. Parpala, T. Aurite, Problem solving algortihm for the manufactruring department using agent technology, Chapter 51 in DAAAM International Scientific Book 2008, pp. 603-612, B. Katalinic (Ed.), Published by DAAAM International, ISBN 978-3-901509-69-0, ISSN 1726-9687, Vienna, Austria, 2008.

10. A. Vlase, A. Ghionea, I.G. Ghionea, **C.L. Popa**, Determination of the Cutting Torque in the 4NiCr180 Stainless Steel Drilling, Proceedings of the 17th International Conference on Manufacturing Systems – ICMaS 2008, Editura Academiei Române, pg. 243-246, ISSN 1842-3183, Bucureşti, Noiembrie, 2008.

11. A. Ghionea, G. Constantin, D. Catrina, A. Vintilescu, **C.L. Popa**, Configurations and modularization grade of some CNC turning machines, Proceedings of the 17th International Conference on Manufacturing Systems – ICMaS 2008, Editura Academiei Române, pg. 39-44, ISSN 1842-3183, Bucureşti, Noiembrie, 2008.

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