

LIST OF SCIENTIFIC WORKS UNDER AFFILIATION

"Aurel Vlaicu" University from Arad

Lecturer PhD. Eng. Elena Stela Wisznovszky (Muncuț)

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Doctoral thesis

Contribuții la **Optimizarea procesului de sudobrazare MIG/MAG-CMT a îmbinărilor disimilare din table subțiri**,

Conducător Științific: Prof. Dr. ing. Dorin Dehelean – susținută în 29.01.2013 la Universitatea Politehnica din Timișoara.

A1 - TEACHING AND PROFESSIONAL ACTIVITY

A1.1 Cărți și capitole în cărți de specialitate

1.1.1. Cărți/manuale/monografii/ capitole de specialitate ca autor

1.1.1.2 Naționale (Ed.recunoscute CNCSIS);

1.1.1.2.1 E. MUNCUȚ, Gh. Sima, D. Mortoiu, Sisteme de fabricație flexibile-Roboți industriali, Ed. Universității Aurel Vlaicu, 2013, ISBN 978-973-752-670-0, pagini 141.

1.1.1.2.2 E. MUNCUȚ, Optimizarea procesului de sudobrazare MIG/MAG-CMT a îmbinărilor disimilare din table subțiri, 130 pagini, Ed. Politehnica - Timisoara, 2013, ISBN 978-606-554-587-8, ISSN 1842-8967

1.1.1.2.3 Erdodi Geza-Mihai, MUNCUT ELENA-STELA, Babescu Marius, Autovehicule electrice si hibride, Editura Politehnica Timisoara, 2019, ISBN 978-606-35-0330-6, nr. pagini 241.

1.1.1.2.4 WISZNOVSZKY (MUNCUT) ELENA-STELA, Termeni și elemente introductive de statistică, Ed. Guttenberg Univers, Arad, Romania 2024, ISBN , pag 108.

A1.2. Alte materiale didactice . Material didactic / Lucrări didactice

1.2.1 Manuale didactice / Monografii

1.2.1.1 E. MUNCUȚ, Gh. Sima, B.F. Tănăsioiu, Dispozitive de asamblare a construcțiilor metalice, Ed. Guttenberg Univers, Arad, Romania 2017, ISBN 978-606-675-155-1, pag 189.

1.2.1.2 WISZNOVSZKY (MUNCUT) ELENA-STELA, Sima Gheorghe, Tehnologii de control în procedee industrial, Arad 2020, ISBN 978-606-675-292-3, nr. pagini 259.

A1.3. Coordination of study programs, organization and coordination of continuous training programs

1.3.1 Study program manager - Welding Engineering (Faculty of Engineering) - undergraduate studies

1.3.2 President of the Commission for monitoring, reviewing and updating the education plan

A1.4 Development of new disciplines

1.4.1 CIDD3O03 Designul produselor sudate (2020-2021) anul II Ingineria Sudării

1.4.2 CIDS8A16 Verificarea procedeelor de sudare (2020-2021) anul IV Ingineria Sudării

1.4.3 CIDS8O10 Procede neconvenționale de sudare (2020-2021) anul IV Ingineria Sudării

1.4.4 CIDS5O05 Tehnologii și echipamente de control (2021-2022) anul III Ingineria Sudării

1.4.5 CIDS8O09 Mecanizarea și automatizarea procedeelor de sudare (2020-2021) anul IV Ingineria Sudării

A1.5 Educational projects (Erasmus, Leonardo, etc.) - Director/Responsible/Member

1.5.1. Titlul proiectului: „Parteneriat dezvoltat pentru CONSilierea și PRACTica Studenților în vederea creșterii angajabilității lor - CONPRACTIS” Contract nr. POSDRU/189/2.1/G/156607, Perioada 04.08.2015-29.12.2015, pentru funcția de **Responsabil de practică COR 242104 - Muncuț Elena.**

1.5.2 Titlul proiectului: Dezvoltarea competențelor de cercetare avansată și aplicată în logica STEAM + Health POCU/993/6/13/153310,,Contract nr. POSDRU/189/2.1/G/156607, Perioada 21.10.2022 pentru durata de 12 luni, pentru funcția de **Mentor postdoctorat - Wisznovszky (Muncuț) Elena.**

A2. RESEARCH ACTIVITY

A2.1 Articles in ISI Thomsom Reuters indexed journals and ISI Proceedings indexed volumes

2.1.1 ISI journals

2.1.1.1 **Elena Stela WISZNOVSZKY**, Attila GEROCS, Lavinia Ioana CULDA, Andrei KOMJATY, Geza-Mihai ERDODI, CHAIN TRANSMISSION MECHANISM USED TO REDUCE THE REACTION MOMENT FOR MACHINERY THAT PERFORMS ROTATIONAL MOVEMENT AROUND ITS OWN, Series: Applied Mathematics, Mechanics, and Engineering, Vol. XX, Issue 2, sept., 2024

2.1.1.2 Lavinia Culda, **Elena Stela Muncut(Wisznovszky)** and Attila Gerőcs, SIMULATION OF FEEDING OF MACHINE TOOLS USING ROBOT ARMS, Series: Applied Mathematics, Mechanics, and Engineering, Vol. XX, Issue 2, sept., 2024, FI 2023=0,1 dovada de publicare in septembrie 2024.

http://artn.ro/conference2023/Programe/PROGRAM_CONFERINTA_ICNcT_2023_modif.pdf

2.1.1.3 Lavinia Culda, **Elena Stela Wisznovszky**, Geza-Mihai Erdodi, SMART LABELLING, MORE CONTROL OVER AUTOMATED CAR PRODUCTION, Ingineria autobilului, nr.72/septembrie 2024, ISSN 1842-4074, pp23-27.

2.1.1.4 Attila Geröcs, **ELENA WISZNOVSZKY (MUNCUT)**, Andrei Komjaty, Ramona Lile, István Bíró, Kinematic and Dynamic Study of an Inertial System Transforming Rotational Motion into Unidirectional Linear Motion, Technical gazette, Vol. 30 No. 3, 2023, pag. 980-987, FI=1,0, ISSN 1848-6339 (Online), ISSN 1330-3651 (Print), data 23.04.2023.

<https://doi.org/10.17559/TV-20220915105456>

2.1.1.5. Andrei KOMJATY, Attila GERÖCS, **ELENA WISZNOVSZKY (MUNCUT)**, Lavinia Ioana CULDA, SYSTEM FOR TRANSFORMING ROTATIONAL MOTION INTO UNIDIRECTIONAL LINEAR MOTION WITH THE HELP OF WEIGHTS MOUNTED ON RADIALLY SLIDING RODS, FOR AUTOMOTIVE/ SISTEM INERȚIAL DE TRANSFORMARE A MIȘCĂRII DE ROTAȚIE ÎN MIȘCARE LINIARĂ UNIDIREȚIONAL CU AJUTORUL UNOR GREUTĂȚI MONTATE PE TIJE RADIAL CULISANTE, Ingineria automobilului, Nr. 68 / septembrie 2023, pg.16-20, ISSN 1842 – 4074, FI =0,01,

<http://siar.ro/wp-content/uploads/2023/08/rIA68-final.pdf>

2.1.1.6 Adrian Marcel MORARIU, Dan Ovidiu GLAVAN, **ELENA MUNCUT (WISZNOVSZKY)**, Ioan RADU, Andrei KOMJATY, COMPARATIVE STUDY BETWEEN PROGRAMMING IN A DESIGN PROGRAM AND A CNC PROGRAM, Acta Technica Napocensis. Series: Applied Mathematics, Mechanics and Engineering, Vol 65, No 1 Page 133-142 SI (FEB 2022), ISBN 1221-5872.

<https://www.webofscience.com/wos/woscc/full-record/WOS:000773188500015>

2.1.2. ISI Conferences (Proceedings)

2.1.2.1. Geröcs Attila, **WISZNOVSZKY ELENA STELA**, Dan Ovidiu Glavan, Komjaty Andrei, Muller Valentin, Erdodi Geza-Mihai, Lavinia Culda, MATHEMATICAL AND GRAPHICAL MODELLING OF AN INERTIAL SYSTEM THAT USES THE FORCE OF INERTIA OF A LIQUID, MECHANICAL ENGINEERING TECHNOLOGY, International Engineering Conference, ANNUAL SESSION OF SCIENTIFIC PAPERS "IMT Oradea 2022", Data publicării 2022/10/1, Volumul 1256, Numărul 1, Pagini 012005,

<https://iopscience.iop.org/article/10.1088/1757-899X/1256/1/012005>

2.1.2.2. Andrei Komjaty, **WISZNOVSZKY (MUNCUT) ELENA STELA** and Lavinia Ioana Culda, STUDY ON THE INFLUENCE OF TECHNOLOGICAL PARAMETERS ON 3D PRINTING WITH SLA TECHNOLOGY, MATEC Web Conf., Volume 343, 2021 10th INTERNATIONAL CONFERENCE MANUFACTURING SCIENCE AND EDUCATION - MSE 2021-, 01003, Section Design, Manufacturing and Management of Technological Equipment and Systems, Published online 04 August 2021,

<https://doi.org/10.1051/matecconf/202134301003>

2.1.2.3. Culda Lavinia Ioana, **WISZNOVSZKY (MUNCUT) ES**, GM Erdodi, TRANSFORMING 3D PRINTED CNC PROTOTYPE INTO A PLOTTER, The Annual Session of Scientific Papers - IMT Oradea 2021, IOP Conf. Series: Materials Science and Engineering 1169 (2021) 012013 IOP Publishing doi:10.1088/1757-899X/1169/1/012013,

<https://iopscience.iop.org/article/10.1088/1757-899X/1169/1/012013>

2.1.2.4 **ELENA-STELA MUNCUT**, Lavinia-Ioana Culda, Geza-Mihai Erdodi and Gheorghe Sima, THE WELDING PROGRAM OPTIMIZATION OF A S355 STEEL ASSEMBLY USED IN AGRICULTURAL MACHINERY, 9th INTERNATIONAL CONFERENCE ON MANUFACTURING SCIENCE AND EDUCATION -MSE 2019- June 5-7, Sibiu, Romania, vol. II,2019, Ed. a IX – a, ISSN 2559-2963, ISSN-L 2559-2963, MATEC Web of Conferences 290, 08014 (2019), EDP Sciences, DOI: 10.1051/matecconf/201929008014, 10 pags.WOS:000569367700104
<https://doi.org/10.1051/matecconf/201929008014>

2.1.2.5. Lavinia-Ioana Culda, **ELENA-STELA MUNCUT** and Geza-Mihai Erdodi, THE ANALYSIS OF THE ROBOTIZED HANDLING OF OXYGEN GAS TANKS WITH THE HELP OF THE PETRI NETWORKS, 9th INTERNATIONAL CONFERENCE ON MANUFACTURING SCIENCE AND EDUCATION -MSE 2019- June 5-7, Sibiu, Romania, vol. II,2019, Ed. a IX – a, ISSN 2559-2963, ISSN-L 2559-2963, MATEC Web of Conferences 290, 08006 (2019), EDP Sciences, DOI: 10.1051/matecconf/201929008006, 9 pags.
<https://doi.org/10.1051/matecconf/201929008006>

2.1.2.6. **E S MUNCUT**, CULDA LAVINIA IOANA, G M Erdodi and G Sima, 8D COMPLAINT SOLVING METHOD IN AN AUTOMOTIVE COMPONENT PROCESSING COMPANY, International Conference ANNUAL SESSION OF SCIENTIFIC PAPERS “IMT Oradea 2019”, The Proceedings of Conference IMT Oradea 2019, ISSN 2501-5769(CD edition), IOP Conf. Ser.: Mater. Sci. Eng. 568 012020, pp 102-106, 5pg.,
<https://iopscience.iop.org/article/10.1088/1757-899X/568/1/012020>

2.1.2.7. Culda Lavinia Ioana, **E S MUNCUT** and Andrei Komjaty, RAPID FILAMENT PROTOTYPING OF A BIONIC HAND, International Conference ANNUAL SESSION OF SCIENTIFIC PAPERS “IMT Oradea 2019”, The Proceedings of Conference IMT Oradea 2019, ISSN 2501-5796 (CD edition), Mater. Sci. Eng. 568 012105 pp 583-587., 5pg,
<https://doi.org/10.1051/matecconf/201929008006>

2.1.2.8. Gheorghe Sima, **ELENA MUNCUT**, Aurelia Tanasoiu and Adriana Motica, The Process of Weld Brazing CMT (Cold Metal Transfer Pulse) for Assembly of the Different Thin Sheets, The 21th edition of IManEE 2017 International Conference, 03 July 2017, Iasi, Romania, vol. 112 ISSN 2067-3604, <https://doi.org/10.1051/matecconf/201711203010>

2.1.2.9. Sima Gheorghe, Dan Glăvan, Alexandru Popa, **ELENA MUNCUT**, HARD AS A ROCK OR DEFORMATION CONTROLLED? Proceedings of the 6th International Workshop on Soft Computing Applications SOFA 2014, Volume 2, Series: Advances in Intelligent Systems and Computing, Vol. 356, Editors: Valentina E. Balas, Lakhmi C. Jain, Branko Kovačević, Springer Verlag, 2016, ISBN 978-3-319-18295-7, WOS:000452853200011(ARC Cat. C, SCOPUS, ISI Proceedings), DOI: 10.1007/978-3-319-18296-4_11
<https://www.webofscience.com/wos/woscc/full-record/WOS:000452853200011>

2.1.2.10. Gheorghe Sima, Ramona Lile, Glavan Dan and **ELENA MUNCUT**, MANAGEMENT, TRACEABILITY AND CONTROL OF INDUSTRIAL PROCESSES, Proceedings of the 6th International Workshop on Soft Computing Applications SOFA 2014, Volume 1, Series: Advances in Intelligent Systems and Computing, Vol. 357, Editors: Valentina E. Balas, Lakhmi C. Jain, Branko Kovačević, Springer Verlag, 2016, ISBN 978-3-319-18415-9 (ARC Cat. C, SCOPUS, ISI Proceedings), DOI:10.1007/978-3-319-18416-6_77

<https://www.webofscience.com/wos/woscc/full-record/WOS:000452854600021>

2.1.2.11. **MUNCUT E.**, Perianu A., Glavan D., Sima Gheorghe, Structural Analysis for Joining Dissimilar Thin Sheets with CMT (Cold Metal Transfer) Process, Structural Integrity of Welded Structures XI 03-05.06.2015, Advanced Materials Research volume 1111, pp. 49-55. ISSN 1022-6680, <https://doi.org/10.4028/www.scientific.net/AMR.1111>

[Muncut \(Wisznovszky\) Elena Stela - Web of Science Core Collection](#)

2.2. Articles in journals and volumes of scientific events indexed in other international databases

2.2.1 BDI/B+ Journal

2.2.1.1 Lavinia Culda, **ELENA STELA MUNCUT (WISZNOVSZKY)**, RFID Technology in Production and Post Production for the Automotive Industry, Robotica & Management, Vol. 28, No. 1, pp. 21-28, DOI: <https://doi.org/10.24193/rm.2023.1.3>, International Journal, ISSN-L: 1453-2069; Print ISSN: 1453-2069; Online ISSN: 2359-9855,

<https://rm.reviste.ubbcluj.ro/issues/vol-28-no-1-june-2023/rfid-technology-in-production-and-post-production-for-the-automotive-industry/>

2.2.1.2. Attila Gerőcs, **ELENA STELA WISZNOVSZKY**, Andrei Komjaty, Inertia system (inertia system) for converting back-and-forth motion on a semicircular track into unidirectional linear motion (Tehetlenségi rendszer (inerciarendszer) a félkör pályán történő oda-vissza mozgás egyirányú lineáris mozgássá való alakításához), Journal of the Institute of Engineering Management and Economics of the Faculty of Engineering of the University of Szeged, jun 21, 2023, ISSN 1788-7593 / Print, ISSN 2676-9867/ Online,

DOI:

<https://doi.org/10.14232/jtgf.2023.kulonszam.173-182>

2.2.1.3. **WISZNOVSZKY (MUNCUT) E.S.**, Culda L.I., Automation of the process for obtaining the safety panel used on a road vehicle, Robotica & Management, International Journal, ISSN-L: 1453-2069; Print ISSN: 1453-2069; Online ISSN: 2359-9855, Vol. 27, No. 1, June 2022, DOI:

<https://doi.org/10.24193/rm.2022.1.4>

2.2.1.4. Stelica Timofte, Zoltan Korka, Attila Gerocs, **ELENA STELA MUNCUT** and Camelia Rodica Sfetcu, KINEMATIC AND DYNAMIC INVESTIGATION OF A NOVEL INERTIAL PROPULSION DRIVE, Published August 2022, Analecta Technica Szegedinensia Vol. 16 No. 1(2022): pp. 27-32, Project: Inertial drives,
<https://doi.org/10.14232/analecta.2022.1.27-33>

2.2.1.5. **ELENA STELA MUNCUT**, Florin Pîrvu, PNEUMATIC ACTUATION OF LASER BEARING ENGRAVING STATION, Vol 25 No 4 (2021), Nonconventional Technologies Review, Published: 2021-12-31, ISSN 2359 – 8654; ISSN-L 2359 – 8646, pp.20-24,
<https://www.revtn.ro/index.php/revtn/article/view/355>

2.2.1.6. Culda, Lavinia Ioana; **MUNCUT, ELENA STELA**; Komjaty, Andrei, ROBOTS E-LEARNING AND USE OF LEGO KITS WHEN BUILDING HEXAPOD, Robotica & Management. Dec2020, Vol. 25 Issue 2, ISSN-L: 1453-2069; Print ISSN: 1453-2069; Online ISSN: 2359-9855 Editura Eftimie Murgu, Resita p12-17. 6p,
<http://robotica-management.uem.ro/index.php?id=733&L=1>

2.2.1.7. Andrei Komjaty, **MUNCUT ELENA STELA**, Geza Mihai Erdodi, FLEXIBLE ROBOTIC LINE FOR THE PROCESSING OF CAR RIMS AND PRODUCT IMPROVEMENT USING FINITE ELEMENT SIMULATION, Vol 23 No 4 (2019): Nonconventional Technologies Review, Dec 2019, Print: ISSN 2359-8646, On-line: ISSN 2359-8654.
<https://www.revtn.ro/index.php/revtn/article/view/239>

2.2.1.8. **ELENA STELA MUNCUT**, Bogdan Tănăsioiu, and Aurelia Tănăsioiu, Trasability of an automobile battery sensor assembly, Nonconventional Technologies Review, **June 2019**, Vol.23, Issue 2, Print: ISSN 2359 – 8646; ISSN-L 2359 – 8646; On-line: ISSN 2359 – 8654; ISSN-L 2359 – 8646, pag31-35, 5p.<https://www.revtn.ro/index.php/revtn/article/view/216>

2.2.1.9. Doina Mortoiu, Bogdan Tănăsioiu, Aurelia Tănăsioiu, **ELENA STELA MUNCUT** and Lucian Gal, Choosing method of composite material for the production of vehicles hood, Nonconventional Technologies Review, **June 2019**, Vol.23, Issue 2, Print: ISSN 2359 – 8646; ISSN-L 2359 – 8646; On-line: ISSN 2359 – 8654; ISSN-L 2359 – 8646, pag31-35, 5p.
<https://www.revtn.ro/index.php/revtn/article/view/217>

2.2.1.10 Daniel Dragu; Ioan Emeric Köles, **ELENA MUNCUT**, The rise, shine and decay of topic maps, Nonconventional Technologies Review, June 2018, Vol.22, Issue 2, Print: ISSN 2359 – 8646; ISSN-L 2359 – 8646; On-line: ISSN 2359 – 8654; ISSN-L 2359 – 8646, pag31-35, 5p.
<https://www.revtn.ro/index.php/revtn/article/view/56>

2.2.1.11 **ELENA STELA MUNCUT**, Gheorghe Sima, Ioan Radu, Conceiving and implementation a workstation, Nonconventional Technologies Review, **Martie 2018**, Vol.22, Issue 1, Print: ISSN 2359 – 8646; ISSN-L 2359 – 8646; On-line: ISSN 2359 – 8654; ISSN-L 2359 – 8646, pag 8-12, 5p.<https://www.revtn.ro/index.php/revtn/article/view/64>

2.2.1.12. **ELENA STELA MUNCUT**, Aurelia Tanasoiu and Valentin Muller, The modeling of the ultrasonic welding process of the airbag's sealing elements, Nonconventional Technologies Review, **Martie 2017**, Vol.21, Issue 1, Print: ISSN 2359 – 8646; ISSN-L 2359 – 8646; On-line: ISSN 2359 – 8654; ISSN-L 2359 – 8646, pag35-39, 5p.

<https://www.revtn.ro/index.php/revtn/article/view/169>

2.2.1.13. Doina Mortoiu, Lucian Gal, **ELENA STELA MUNCUT**, Odeta Belei, Study of optimum parameters of thermal plasma cutting, Nonconventional Technologies Review, „Politehnica” Publishing House volume XVIII no. **2/2014** Print: ISSN 2359 – 8646; ISSN-L 2359 – 8646; On-line: ISSN 2359 – 8654; ISSN-L 2359 – 8646, pag.27-33.<http://www.revtn.ro/no2-2014.html>,
<http://journals.indexcopernicus.com/karta.php?action=masterlist&id=4979>

2.2.1.14 **ELENA STELA MUNCUT**, Culda Lavinia Ioana, Sima Gheorghe, Mortoiu Doina, The study of increased height at MIG-CMT continuous or pulse combined braze-welding of the thin sheets of galvanized steel and aluminum, Nonconventional Technologies Review, „Politehnica” Publishing House volume XVII no. **2/2013** ISSN: 1454-3087, pag.46-50.

2.2.1.15 Gh., Sima, E. Muncuț, Thermal field modeling in the MIG / MAG - CMT braze-welding process of galvanized sheets, International Journal of Engineering Science and Technology (IJEST), vol. 5, no. 10, **Oct. 2013**, ISSN : 0975-5462, pp. 1799-1807.
<http://www.ijest.info/issue.php?file=vol05issue10>

2.2.2. The volumes of some scientific events indexed in other international databases

2.2.2.1. Attila GERÖCS, Lavinia CULDA, **ELENA WISZNOVSZKY (MUNCUT)**, Andrei KOMJATY, Designing an Inertial System for Transforming Rotational Motion into Unidirectional Linear Motion, Book Title: Acoustics and Vibration of Mechanical Structures — AVMS-2023, Book Subtitle: Proceedings of the 17th AVMS, Timișoara, Romania, May 26–27, 2023, Springer Proceedings Phys., Chapter 23, Vol. 302, ebook ISBN: 978-3-031-48086-7.

2.2.2.2. **MUNCUT ELENA STELA**; Erdodi Geza Mihai; Culda Lavinia Ioana; Komjaty Andrei; Sirghie Cecilia, Determination of speed and acceleration for a plane mechanism with the instantaneous rotation center method and euler's graf-analytical method using autocad mechanical, Source: eLearning & Software for Education. 2020, Vol. 2, p420-427. 8p. DOI: 10.12753/2066-026X-20-140

2.2.2.3. **MUNCUT ELENA STELA**, Culda Lavinia Ioana, Gheorghe Sima, Doina Mortoiu, The CMT braze-welded diffusion layer study on galvanized aluminium sheets, ANNALS of the Oradea University, Fascicle of Mechanical and Technological Engineering, 2013 ISSN 1583-0691, DOI:10.15660/AUOFMTE.2013-1.2815,

<http://imtuoradea.ro/auo.fmte/files-2013-v1> ,

<http://imt.uoradea.ro/auo.fmte/files-2013-v1/Muncut%20Elena%20Stela.pdf>

2.2.2.4 Culda Lavinia Ioana, **MUNCUȚ ELENA STELA**, Gheorghe Sima, Doina Mortoiu, CAD/CAM Modeling and simulation, with the CATIA, ANNALS of the Oradea University, Fascicle of Mechanical and Technological Engineering, 2013 ISSN 1583-0691, DOI:10.15660/AUOFMTE.2013-1.2782,

<http://imtuoradea.ro/auo.fmte/files-2013-v1>,

<https://imt.uoradea.ro/auo.fmte/files-2013-v1/Culda%20Lavinia%20Ioana%201.pdf>

2.3. Articles in extenso in non-indexed national/international journals/Proceedings

2.3.1. Non-indexed national / international magazines. A maximum of two articles are allowed in the same edition

2.3.2. Non-indexed national / international proceedings. A maximum of two articles are allowed in the same edition

2.3.2.1. Gheorghe SIMA, **ELENA STELA MUNCUT**, Geza Mihai ERDODI, Levels of progressive bearings that occur in the manufacturing line, ISREIE Edition Arad 2019, 23-25 May, UAV Arad

2.3.2.2 **ELENA STELA MUNCUT**, Ioan RADU, Geza Mihai ERDODI The production of steering wheels, ISREIE Edition Arad 2019, 23-25 May, UAV Arad

2.3.2.3 Sima Gh., **MUNCUT E.**, Tanasoiu A., Moțica A., „Thermite welding of aluminotermia”, Conferinta internationala – „International symposium research and education in innovation ERA 6th edition Arad, Romania, December 08-10, 2016.

2.3.2.4 Tanasoiu A., Sima Gh., **MUNCUT E.**, Moțica A., „Railway vehicles torsional rigidity” - „International symposium research and education in innovation ERA 6th edition Arad, Romania, December 08-10, 2016

2.4. Intellectual property, invention and innovation patents, etc.

2.4.1. International

2.4.2. National (internally approved standards)

2.4.2.1 Contract de cesiune neexclusivă a drepturilor patrimoniale de autor nr. 623/25.02.2015, încheiat pentru perioada 2 martie – 31 septembrie 2015, cu CNIPMMR – filiala Arad(cesionar) si Muncut Elena (cedent). Pentru cesiunea neexclusiva a drepturilor patrimoniale de autor în domeniul proiectării asistate pe calculator expuse sub forma de: studii, proiecte si documentațiile științifice, comunicări scrise și orale. Urmat de susținerea a 100 ore de curs practic în „Proiectarea asistată pe calculator”.

2.4.2.2 Gerőcs, A., Lile Ramona, Wisznovszky Elena Stela, Sistem inerțial de transformare a mișcării de rotație în mișcare liniară unidirecțională, Cerere brevet de invenție OSIM nr. A/00677/ 18.11.2021,

<https://www.webofscience.com/wos/diidxw/full-record/DIIDW:202359086K>

A3 Recognition and impact of activity

3.3 Member of editorial teams or scientific committees of scientific journals and events, organizer of scientific events/Reviewer for national and international scientific magazines and events

3.3.1. ISI indexed

3.3.2 BDI indexed

3.3.2.1 Ms. Ref. No.: ISM 2023-2397 Title: Autonomous Fault Monitoring for Efficient Multi-Actuator Compressed Air Systems: Data Analytics of Demand-Oriented Parameters 5th International Conference on Industry 4.0 and Smart Manufacturing - ISM 2023

3.3.3. National and international non-indexed

3.3.3.1 Member of the organizing committee of scientific events, co-organizer of national scientific events, not indexed

3.3.3.1.1 Membru in colectivul de organizare The 19th Edition of the International Students Scientific Communications Session of the Engineering Faculty of Aurel Vlaicu University from Arad , Editia XXV - 7-8 Iunie 2023, ARAD, ROMANIA
<https://cdn.uav.ro/documente-inginerie/Manifestari-Studentesti/Program-Sesiunea-studenti-XXV-2023.pdf> /

3.3.3.1.2 Membru in colectivul de organizare -Sesiunea Internațională de comunicări științifice studențești a Facultății de Inginerie UAV, ediția XXIV – 2022, ARAD, 15-16 June 2022
<https://cdn.uav.ro/documente-inginerie/Manifestari-Studentesti/Program-Sesiunea-studenti-XXIV-2022.pdf>

3.3.3.1.3 Membru in colectivul de organizare Sesiunea internationala de comunicari stiintifi ce studentesti a Facultatii de Inginerie din cadrulUniversitatii "Aurel Vlaicu" din Arad, editia a XXIII-a,2021 ARAD, ROMANIA

3.3.3.1.4 Membru in colectivul de organizare The 22th Edition of the International Students Scientific Communications Session of the Engineering Faculty of Aurel Vlaicu University from Arad June 27 2020, ARAD, ROMANIA

https://issscarad2020.webnode.ro/?fbclid=IwAR1cyWaAfnJinOjCJjMlsLk-GyXeHIS_rYuyJwoi4NL94ZICG2v_9_4hwGc

3.3.3.1.5 Membru in colectivul de organizare The 21th Edition of the International Students Scientific Communications Session of the Engineering Faculty of Aurel Vlaicu University from Arad 17 -19 Iunie 2019, ARAD, ROMANIA

<https://sicssarad2019.webnode.ro/comitet/>

3.3.3.1.6 Membru in colectivul de organizare The 20th Edition of the International Students Scientific Communications Session of the Engineering Faculty of Aurel Vlaicu University from Arad 7-9 Iunie 2018, ARAD, ROMANIA

<https://sicssarad2018.webnode.ro/comitet/>

3.3.3.1.7 Membru in colectivul de organizare The 19th Edition of the International Students Scientific Communications Session of the Engineering Faculty of Aurel Vlaicu University from Arad June 6-8 Iunie 2017, ARAD, ROMANIA

<https://sesiunea-de-comunicari-stiintifice-studentesti.webnode.ro/comitet/>

<https://issscarad2021.netlify.app/>

3.6. Member of academies, organizations, prestigious national and international professional associations, membership of organizations in the field of education and research

3.6.4. Professional associations

3.6.4.1. International

3.6.4.2. National

MEMBER OF ASR FROM 2001- PRESENT

MEMBER OF THE ROMANIAN ASSOCIATION FOR ALTERNATIVE TECHNOLOGIES SIBIU –
ART FROM 2021 TO PRESENT

MEMBER IN SIAR FROM THE YEAR 2022- PRESENT

23.09.2024

s.l. dr. ing. Wisznovszky Elena Stela

