



Technical University of Cluj-Napoca
Faculty of Machine Building
Department of Design Engineering and Robotics
S.I. dr. ing. Pop Grigore Marian

LIST OF PAPERS

1. List of 10 most relevant papers

1. Pop, Grigore Marian; Crisan, Liviu Adrian; Tripa, Mihai; et al. ISOCHECKER, AN ANDROID APPLICATION FOR FIT CALCULATION ACCORDING TO THE LATEST ISOGPS STANDARDS By: ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING Volume: 61 Issue: 4 Pages: 781-786 Published: NOV 2018, WOS:000453442200033, <https://atna-mam.utcluj.ro/index.php/Acta/article/view/1119>
2. Grigore Marian POP author Radu Comes Liviu Adrian Crisan, An Android Application for Explaining Form Deviations Using 3D Models, https://link.springer.com/chapter/10.1007/978-3-030-77719-7_31
3. Grigore Marian Pop, Liviu Adrian Crisan, Mihai Tripa The Effectiveness of ICT Tools for Engineering Education: ISO Checker Part of the Lecture Notes in Mechanical Engineering book series (LNME), Pages 270-279, Editors (view affiliations) 978-3-030-22364-9, Conference proceedings DSMIE 2019 <https://link.springer.com/book/10.1007/978-3-030-22365-6#tocDOIhttps://doi.org/10.1007/978-3-030-22365-6>, Springer Nature Switzerland AG 2020 Print ISBN978-3-030-22364-9 Online ISBN978-3-030-22365-6 Series Print ISSN2195-4356 Series Online ISSN2195-4364
4. Contiu, Glad; Popa, Marcel Sabin; Socaciu, Lavinia; Pop Grigore Marian, FUZZY ANALYTICAL HIERARCHY PROCESS APPLIED TO DETERMINE THE MATERIAL MACHINABILITY IN EDM PROCESS, ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING Volume: 58 Issue: 3 Pages: 385-394 Published: SEP 2015, WOS:000422406600010
5. Alexandru BUCUR, Gheorghe ACHIMAȘ, Lucian LĂZĂRESCU, TRIF Adrian, Grigore Marian POP EVALUATION OF BIODEGRADABLE LUBRICANTS BY FORWARD CONICAL CUP--BACKWARD STRAIGHT CUP EXTRUSION TEST. ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING Volume: 61 Issue: 1 Pages: 115-120 Published: MAR 2018, WOS:000428903500019
6. Grigore Marian Pop, Emilia Campean, Liviu Adrian Crisan, Mihai Tripa, The Effects of Milling and Drilling Process Parameters and Different Tool Path Strategies on the Quality of the CFRP Composites, Pages 325-344, ISSN 2195-4356 ISSN 2195-4364
7. Pop, Grigore Marian, Liviu Adrian Crisan, Mihai Tripa, Calin Neamtu, Mihai Dragomir, On the Association of Datums and Measurements Using Conventional Measuring Devices - Topics Within the GPS Toolbox Project, Pages 209-216, Lecture Notes in Mechanical Engineering, 2019 Proceedings of the 12th International Conference on Measurement and Quality Control - Cyber Physical Issue IMEKO TC 14 2019 Editors: Majstorovic, Vidosav D., Durakbasa, Numan (Eds.) Gathers the proceedings of 12th International Conference on Measurement and Quality Control - Cyber Physical Issues (IMEKO TC 14 2019), held in Belgrade, Serbia, on 4-7 June 2019, <https://www.springer.com/gp/book/9783030181765>, eBook ISBN978-3-030-18177-2;
8. Alina Narcisa Crisan, Grigore Marian Pop Creative, Quality Oriented Rethinking of the Assessment Strategy at the University Level Courses. A Case Study Pages 33-42, Part of the Lecture Notes in



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Mechanical Engineering book series (LNME), Pages 270-279, DSMIE 2019,
<https://link.springer.com/book/10.1007/978-3-030-22365-6#toc>

9. Popa, Marcel Sabin; Contiu, Glad; Pop, Grigore; Dan, Preja; New technologies and applications of EDM process, International Journal of Material Forming 2 1 633 2009, Springer-Verlag, Popa, M.S., Contiu, G., Pop, G. et al. New technologies and applications of EDM process. Int J Mater Form 2, 633 (2009). <https://doi.org/10.1007/s12289-009-0648-9>, <https://rdcu.be/b5vDa>
10. M Popa, Glad Contiu, Grigore Pop Surface quality of the EDM processed materials, Publication date 2009/9/6, Journal XIX IMEKO World Congress, Pages 6-11 Total citations Cited by 4, ISBN 978-963-88410-0-1 © 2009 IMEKO, <https://pdfs.semanticscholar.org/6efd/c8779aa16f24fc470b86ed2947fad20a0801.pdf>

2. Doctoral Thesis

"CONTRIBUTIONS REGARDING THE APPLICATIONS OF THERMOGRAPHY IN TECHNOLOGICAL SYSTEMS AND FOR PROCESS TEMPERATURE DETERMINATION

Scientific supervisor: **Prof.dr.ing. Popa Marcel Sabin**

Technical University of Cluj-Napoca

Public presentation: **15 octombrie 2011**

3. Habilitation Thesis

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4. Patent applications

- Grigore M P, Steopan M, Device For Fastening Wooden Boards, Chipboards Or Plastic Boards Using Deformable Jacket With Borders, For Modular Reconfigurable Furniture, Pn Ro131142-A2UT Diidw:201632057a;

- Pop G M, Steopan M, Device For Fastening Wooden Boards, Chipboards Or Glass Panes, With Screw, Nut And Deformable Jacket, For Modular Reconfigurable Furniture Pn Ro131143-A2 Ut Diidw:2016320579.

5. Books and Chapters in Books

5.1. Books in International Publishing Houses

1. Pop, Grigore Marian , Liviu Adrian Crisan, Mihai Tripa, Calin Neamtu, Mihai Dragomir, On the Association of Datums and Measurements Using Conventional Measuring Devices - Topics Within the GPS Toolbox Project, Pages 209-216, Lecture Notes in Mechanical Engineering, 2019 Proceedings of the 12th International Conference on Measurement and Quality Control - Cyber Physical Issue IMEKO TC 14 2019 Editors: Majstorovic, Vidosav D., Durakbasa, Numan (Eds.) Gathers the proceedings of 12th International Conference on Measurement and Quality Control – Cyber Physical Issues (IMEKO TC 14 2019), held in Belgrade, Serbia, on 4–7 June 2019, <https://www.springer.com/gp/book/9783030181765>, eBook ISBN 978-3-030-18177-2;
2. Grigore Marian Pop, Emilia Campean, Liviu Adrian Crisan, Mihai Tripa, The Effects of Milling and Drilling Process Parameters and Different Tool Path Strategies on the Quality of the CFRP Composites, Pages 325-344, ISSN 2195-4356 ISSN 2195-4364





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

3. Liviu Adrian Crişan, Numan Durakbasa, Mihai Tripa, Grigore Marian Pop Specificatii Geometrice ale Produselor, , editura U.T. PRESS, <http://www.utcluj.ro/editura/>; ISBN 978-606-737-399-8
4. Grigore Marian Pop, Liviu Adrian Crişan, Mihai Tripa, "Toleranzen und Passungen_ ISBN 978-606-737-398-1", in limba germana, editura U.T. PRESS, <http://www.utcluj.ro/editura/>; ISBN 978-606-737-398-1 2019;
5. Liviu Adrian Crişan, Mihai Tripa, Grigore Marian Pop "Toleranțe și Ajustaje" ISBN 978-606-737-325-7, 2018,, editura U.T. PRESS, <http://www.utcluj.ro/editura/>;
6. Grigore Marian Pop, PRELUCRAREA MATERIALELOR COMPOZITE ARMATE CU FIBRE DE CARBON, ditura U.T. PRESS, <http://www.utcluj.ro/editura/>; ISBN 978-606-737-401-8



2.3. Books as Editor in National Publishing Houses

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

1. Liviu Adrian Crișan, Mihai Tripa, Grigore Marian Pop "Control Dimensional, îndrumător pentru lucrări de laborator", editura U.T. PRESS, ISBN 978-606-737-027-0, 2014, <http://www.utcluj.ro/editura/>;
2. Grigore Marian Pop, Liviu Adrian Crișan, Mihai Tripa "DIMENSIONSKONTROLLE , îndrumător pentru lucrări de laborator", editura U.T. PRESS, ISBN 978-606-737-397-4.
3. Domnita F., Ancuta P., Glad C., Grigore M. P., Adrian R., Razvan P., Nicolae P. Tehnologii De Fabricație, editura U.T. PRESS, ISBN 978-973-662-626-5/2011, <http://www.utcluj.ro/editura/>;
4. Grigore Marian Pop, et al., Indrumator pentru practica Studentilor, ISBN978-606-737-418-6
5. Liviu Adrian Crișan, Grigore Marian Pop suport curs Toleranțe și Control Dimensional in limba engleza
6. prim autor in 3 capitole Learning module 8, Datums, Learning Module 15 General tolerances, Learning Module 23 : Verification by using conventional measuring devices GPSVT, https://e-uczelnia.ath.bielsko.pl/pluginfile.php/32135/mod_label/intro/index.html, Authors: dr. ing. Grigore Marian Pop, Assoc. prof. dr. ing. Calin Neamtu, Assoc. prof. dr. ing. Mihai Dragomir, under coordination of Prof. dr. ing. Sorin Popescu
7. co autor in 2 capitole https://euczelnia.ath.bielsko.pl/pluginfile.php/32135/mod_label/intro/index.html: 13. Material modifiers Authors: M.Sc. Eng. Marcin Berta, Dr. Eng. Zbigniew Humienny, Warsaw University of Technology Co-Authors: Lecturer dr. ing. Grigore Marian Pop, prof. dr. ing. Mihai Dragomir Technical University of Cluj Napoca, 11. Profile Tolerancing Authors: Prof. Michael Marxer, Dr. Eng. Roman Kuster NTB University of Applied Sciences Buchs Co-Authors: dr. ing. Grigore Marian Pop, prof. dr. ing. Calin Neamtu Technical University of Cluj Napoca
8. Aplicatia Android: ISO Checker, <https://play.google.com/store/apps/details?id=com.datzfain.IsoChecker&hl=en>
9. Liviu Adrian Crișan, Calin Neamtu, Grigore Marian Pop "Masurari 3D, îndrumător pentru lucrări de laborator romana/germana
10. Grigore Marian Pop "Toleranțe și Control Dimensional, prezentări îndrumător pentru lucrări de laborator în limba engleză, germană, română
11. Geometrische Produkt Spezifikationen, Liviu Adrian Crișan, Numan Durakbasa, Mihai Tripa, Grigore Marian Pop, in curs de publicare la TU Wien'



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 1-12) of which 1 journals (positions 1-6, 14), minimum 2 as main author (positions 1,7,10))

List of articles indexed in ISI Proceedings journals (1-15), main author (1,7,10)

1. Pop, Grigore Marian; Crisan, Liviu Adrian; Tripa, Mihai; et al. ISO-CHECKER, AN ANDROID APPLICATION FOR FIT CALCULATION ACCORDING TO THE LATEST ISO GPS STANDARDS By: ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING Volume: 61 Issue: 4 Pages: 781-786 Published: NOV 2018, WOS:000453442200033, <https://atnamam.utcluj.ro/index.php/Acta/article/view/1119>
2. Popa, Marcel Sabin; Contiu, Glad; Pop, Grigore; Dan, Preja; New technologies and applications of EDM process, International Journal of Material Forming 2 1 633 2009, Springer-Verlag, Popa, M.S., Contiu, G., Pop, G. et al. New technologies and applications of EDM process. Int J Mater Form 2, 633 (2009). <https://doi.org/10.1007/s12289-009-0648-9>, <https://rdu.be/b5vDa>
3. Contiu, Glad; Popa, Marcel Sabin; Socaciu, Lavinia; et al. FUZZY ANALYTICAL HIERARCHY PROCESS APPLIED TO DETERMINE THE MATERIAL MACHINABILITY IN EDM PROCESS ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING Volume: 58 Issue: 3 Pages: 385-394 Published: SEP 2015, WOS:000422406600010
4. Monica STEOPAN, Florin POPISTER, Cornel CIUPAN, Bogdan AGRIJAN, Grigore Marian POP, SUCTION-CUP MANIPULATOR CONCEPT DEVELOPMENT FOR THIN SHEET METAL, , Publication date 2019/4/12, Journal ACTA TECHNICA NAPOCENSIS-Series: APPLIED MATHEMATICS, MECHANICS, and ENGINEERING Volume 62, Issue 1
5. Bucur, Alexandru; Achimas, Gheorghe; Lazarescu, Lucian, Grigore Marian POP EVALUATION OF ENVIRONMENTALLY FRIENDLY LUBRICANTS UNDER DIFFERENT WORKPIECE SURFACE ROUGHNESS, . ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING Volume: 61 Issue: 1 Pages: 115-120 Published: MAR 2018, WOS:000428903500019
6. Dragomir, Mihai; Pop, Grigore; Dragomir, Diana , ISO 9001 FROM THE 2008 TO THE 2015 VERSION. UNDERSTANDING THE CHANGES TO GAIN PERSPECTIVE OF CRISIS TO MANAGEMENT IN A TIME OF CRISIS Book Series: Review of Management and Economic Engineering International Management Conference Pages: 283-289 Published: 2016, WOS:000385997200034
7. Popister, F.; Popescu, D.; Steopan, M.; Pop, Grigore, et al. APPROACH OF DIRECT MILLING TOOLPATH GENERATION METHOD FOR DIFFERENT CUTTER GEOMETRIES Conference: 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) Location: Cluj Napoca, ROMANIA Date: JUL 25-30, 2016 Sponsor(s): IFPR; Tech Univ Cluj Napoca; INOTEC; Bielomatik; CMIE; Tenaris Silcotub; IRUM 2016 INTERNATIONAL CONFERENCE ON PRODUCTION RESEARCH - REGIONAL CONFERENCE AFRICA, EUROPE AND THE MIDDLE EAST (ICPR-AEM 2016) AND 4TH INTERNATIONAL CONFERENCE ON QUALITY AND INNOVATION IN ENGINEERING AND MANAGEMENT (QIEM 2016) Pages: 196-201 Published: 2016, WOS:000436122900033



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- Pop, G. M.; Crisan, L. A.; Steopan, M.; et al. MATHEMATICAL MODELING OF ROUGHNESS PARAMETER RA WHEN MILLING CARBON FIBRE REINFORCED COMPOSITES USING A Ø8MM MILL Conference: International Conference on Production Research - Africa, Europe and the Middle East (ICPR-AEM) / 4th International Conference on Quality and Innovation 6. 7. 8. 6/10/2019 Web of Science [v.5.32] - Citation Report
[http://apps.webofknowledge.com/CitationReport.do?product=WOS&search_mode=CitationReport&SID=D2E79M171QziWLAkcyz&page=1&cr_pqid=118&viewType=summary&from_ML=true&colName=WOS 5/6 in Engineering and Management \(QIEM\) Location: Cluj Napoca, ROMANIA Date: JUL 25-30, 2016 Sponsor\(s\): IFPR; Tech Univ Cluj Napoca; INOTEC; Bielomatik; CMIE; Tenaris Silcotub; IRUM 2016 INTERNATIONAL CONFERENCE ON PRODUCTION RESEARCH - REGIONAL CONFERENCE AFRICA, EUROPE AND THE MIDDLE EAST \(ICPR-AEM 2016\) AND 4TH INTERNATIONAL CONFERENCE ON QUALITY AND INNOVATION IN ENGINEERING AND MANAGEMENT \(QIEM 2016\) Pages: 223-226 Published: 2016, WOS:000436122900038](http://apps.webofknowledge.com/CitationReport.do?product=WOS&search_mode=CitationReport&SID=D2E79M171QziWLAkcyz&page=1&cr_pqid=118&viewType=summary&from_ML=true&colName=WOS 5/6 in Engineering and Management (QIEM) Location: Cluj Napoca, ROMANIA Date: JUL 25-30, 2016 Sponsor(s): IFPR; Tech Univ Cluj Napoca; INOTEC; Bielomatik; CMIE; Tenaris Silcotub; IRUM 2016 INTERNATIONAL CONFERENCE ON PRODUCTION RESEARCH - REGIONAL CONFERENCE AFRICA, EUROPE AND THE MIDDLE EAST (ICPR-AEM 2016) AND 4TH INTERNATIONAL CONFERENCE ON QUALITY AND INNOVATION IN ENGINEERING AND MANAGEMENT (QIEM 2016) Pages: 223-226 Published: 2016, WOS:000436122900038)
8. Steopan, M.; Lovasz, N.; Ispas, V.; Pop, G. M et al. CONCEPT GENERATION AND MOCKUP OF A BIPEDAL MOBILE PLATFORM Conference: International Conference on Production Research - Regional Conference Africa, Europe and the Middle East (ICPR-AEM) / 3rd International Conference on Quality and Innovation in Engineering and Management (QIEM) Location: Cluj Napoca, ROMANIA Date: JUL 01-05, 2014 (ICPR-AEM 2014) Pages: 474-479 Published: 2014
9. M Popa, Glad Contiu, Grigore Pop Surface quality of the EDM processed materials, Publication date 2009/9/6, Journal XIX IMEKO World Congress, Pages 6-11 Total citations Cited by 4, ISBN 978-963-88410-0-1 © 2009 IMEKO, <https://pdfs.semanticscholar.org/6efd/c8779aa16f24fc470b86ed2947fad20a0801.pdf>
10. D (Dragomir, Diana); Campean, E (Campean, Emilia); Pop, G (Pop, Grigore) ; Dragomir, M (Dragomir, Mihai Dragomir,); Ambros, I (Ambros, Ivan) DESIGNING A TOOLKIT FOR PROCESS IMPROVEMENT IN AN ENGINEERING SERVICES START-UP : PERFORMANCE MANAGEMENT OR MANAGEMENT PERFORMANCE Edited by: Abrudan, I Book Series: Review of Management and Economic Engineering International Management Conference Pages: 448-452 Published: 2018 Document Type: Proceedings Paper Conference Conference: 6th Review of Management and Economic Engineering International Management Conference Location: Tech Univ Cluj Napoca, Cluj Napoca, ROMANIA Date: SEP 20-22, 2018
11. **Grigore Marian Pop**, Liviu Adrian Crisan, Mihai Tripa The Effectiveness of ICT Tools for Engineering Education: ISO Checker Part of the Lecture Notes in Mechanical Engineering book series (LNME), Pages 270-279, Editors (view affiliations) 978-3-030-22364-9, Conference proceedings DSMIE 2019 <https://link.springer.com/book/10.1007/978-3-030-22365-6#tocDOIhttps://doi.org/10.1007/978-3-030-22365-6>
12. Springer Nature Switzerland AG 2020 Print ISBN978-3-030-22364-9 Online ISBN978-3-030-22365-6 Series Print ISSN2195-4356 Series Online ISSN2195-4364
13. Alina Narcisa Crisan, **Grigore Marian Pop** Creative, Quality Oriented Rethinking of the Assessment Strategy at the University Level Courses. A Case Study Pages 33-42, Part of the Lecture Notes in Mechanical Engineering book series (LNME), Pages 270-279, DSMIE 2019, <https://link.springer.com/book/10.1007/978-3-030-22365-6#toc>



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14. Alexandru BUCUR, Gheorghe ACHIMAȘ, Lucian LĂZĂRESCU, TRIF Adrian, Grigore Marian POP EVALUATION OF BIODEGRADABLE LUBRICANTS BY FORWARD CONICAL CUP--BACKWARD STRAIGHT CUP EXTRUSION TEST. Publication date 2017/7/1, Journal Academic Journal of Manufacturing Engineering Volume, 15, Issue, 3, Pages, 43
Popa, MS (Popa, Marcel Sabin); Contiu, G (Contiu, Glad); Preja, D (Preja, Dan); Pop, G (Pop, Grigore); Tirla, A (Tirla, Andrei), ELECTRIC DISCHARGE MACHINING PROCESS CONTROL
15. ANNALS OF DAAAM FOR 2009 & PROCEEDINGS OF THE 20TH INTERNATIONAL DAAAM SYMPOSIUM, Edited by: Katalinic, B, Book Series: Annals of DAAAM and Proceedings, Volume: 20 Pages: 381-382 Published: 2009, Document Type: Proceedings Paper

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 (1,10,14,16))

List of articles indexed in BDI journals (1-19), main author (1,10,14,16)

1. **Grigore Marian POP** author Radu Comes Liviu Adrian Crisan, An Android Application for Explaining Form Deviations Using 3D Models, https://link.springer.com/chapter/10.1007/978-3-030-77719-7_31
2. **GM Pop**, M Steopan, G Conțiu, A Popescu, Some Researches Regarding the Surface Quality when Drilling Carbon Fiber Reinforced Composites, - Applied Mechanics and Materials, 2015., Modern Technologies in Manufacturing, Applied Mechanics and Materials, Vol. 808, pp. 155-160, 2015, <https://www.scientific.net/AMM.808.155>
3. Vitalii Ivanov and Grigore Pop Ivan Pavlenko, Calin Neamtu, Anton Verbovyi, Jan Pitel, Using Computer Modeling and Artificial Neural Networks for Ensuring the Vibration Reliability of Rotors, Authors Publication date, 2019/4 Journal, Proceedings of the Second International Workshop on Computer Modeling and Intelligent Systems (CMIS-2019), Zaporizhzhia, Ukraine Volume, 2, Issue, CEUR Workshop Proceedings 2353, Pages 702-716 Publisher, CEUR-WS., <http://ceur-ws.org/Vol-2353/paper56.pdf>
Alexandru BUCUR, Lucian LAZARESCU, Grigore Marian POP, Gheorghe ACHIMAS, Andreas GEBHARDT
4. TRIBOLOGICAL PERFORMANCE OF BIODEGRADABLE LUBRICANTS UNDER DIFFERENT SURFACE ROUGHNESS OF TOOLS. Publication date 2019/1/1, Journal, Academic Journal of Manufacturing Engineering, Volume 17, Issue 1
Popescu, A.; Grozav, S.; Hancu, L.; Pop, G. MICRO-FRACTO-GRAPHIC ANALYSE OF EXTRUDED GLASS FIBRES 154 REINFORCED POLYAMIDE, 14th International Scientific Conference for PhD students
5. AUTOMATION IN PRODUCTION PLANNING AND MANUFACTURING, ISBN 978-80-89276-41-7, publication date 2015/11 Journal ISBN print: 978-3-03835-653-0 Volume 808 Issue Trans Tech Publications, Switzerland
Liviu Adrian Crisan, Grigore Marian Pop, INFLUENCE OF TOOL GEOMETRY AND PROCESS TEMPERATURE ON HOLE QUALITY WHEN DRILLING CARBON FIBER REINFORCED PLASTICS 11th
6. International Symposium on Measurement and Quality Control 2013, September 11-13, 2013, Cracow-Kielce, Poland
7. L. Crisan, G. Pop, MODELING AND ANALYSIS OF PROCESS TEMPERATURE AT THE DRILLING CFRP COMPOSITES USING DESIGN EXPERT AND ANOVA, Conference 14th International Scientific



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- Conference for PhD students AUTOMATION IN PRODUCTION PLANNING AND MANUFACTURING Volume14 Issue ISBN 978-80-89276-41-7
8. Daniela Carmen Koukach, Marcel Popa, Grigore Marian Pop, Dan Preja, MODELING MANUFACTURING PROCESSES OF CUTTING Publication date 2011/11/15 Journal ACTA TECHNICA NAPOCENSIS-Series: APPLIED MATHEMATICS, MECHANICS, and ENGINEERING Volume 54 Issue 4
9. Glad CONTIU, Marcel Sabin POPA, Grigore Marian POP, Vasile SIMON, Adrian Radu SEVER, FEM SIMULATION OF THE THERMAL TRANSFER DURING THE ELECTRICAL DISCHARGE MACHINING, , Publication date 2012/3/15, Journal, ACTA TECHNICA NAPOCENSIS-Series: APPLIED MATHEMATICS, MECHANICS, and ENGINEERING Volume 55 Issue 1
10. POP, G.M., CHETREANU-DON, C.O, TIRLA, A., CONTIU, CNC MILLING MACHINE BIAxIAL LINEAR ERROR MEASUREMENTS USING LASER INTERFEROMETERS AND INFRARED THERMOGRAPHY,. Publication date 2010/6 Journal International virtual journal for science, technics and innovations for the industry MTM, Scientific-Technical Union of Mechanical Engineering, Sofia, Bulgaria Issue ISSN 1313-0226.Pages pag. 17-20,
<https://mtmcongress.com/winter/proceedings.html>
11. Andrei Tirla, Marcel Sabin Popa, Grigore Marian Pop, Camil Octav Chetreanu-Don, Andrei Ioan Oltean, Dan Preja, AN ELECTRODE WEAR COMPENSATION MODEL REGARDING THE EDM PROCESS. Authors, Publication date 2010/1/1 Journal Annals of DAAAM & Proceedings, <https://web.a.ebscohost.com/abstract?direct=true&profile=ehost&scope=site&authType=crawler&jrnl=17269679&AN=55674856&h=PgQdqN%2fo7alL6mQ4C4FrAc5nr8i47POxc8hHh0TMluZjHbEoskPY78xLdQnCV1Yzv%2bCMHMCKTATvAa2tkiJcA%3d%3d&crl=c&resultNs=AdminWebAuth&resultLocal=ErrCrlNotAuth&crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authType%3dcrawler%26jrnl%3d17269679%26AN%3d55674856>
12. Daniela Carmen Koukach, Grigore Marian POP, Dan Preja, Machining Process Modeling, Publication date 2011/11/15 Journal ACTA TECHNICA NAPOCENSIS-Series: APPLIED MATHEMATICS, MECHANICS, and ENGINEERING Volume 54 Issue 4
13. Daniel Filip, Grigore Marian POP, IMPLEMENTATION AND USE OF ERP AND WEB-ERP IN THE PRODUCTION OF SMALL SERIES AND UNIQUE Authors Publication date 2013/3/15 Journal ACTA TECHNICA NAPOCENSIS-Series: APPLIED MATHEMATICS, MECHANICS, and ENGINEERING Volume 56 Issue 1
14. POP Grigore, Liviu CRIȘAN, Daniel FILIP, PROCESS TEMPERATURE DETERMINATION AT THE DRILLING CARBON FIBER REINFORCED COMPOSITES, Authors Publication date 2013/3/15, Journal ACTA TECHNICA NAPOCENSIS-Series: APPLIED MATHEMATICS, MECHANICS, and ENGINEERING Volume 56 Issue 1
15. Andrei Ioan Oltean, Grigore Marian Pop, Contiu Glad, Andrei Tirla, Camil Octav Chetreanu Don, Dana Koukach Redesign of the live axle in articulated lumber tractors Publication date 2010/1/1 Journal Annals of DAAAM & Proceedings Pages 1069-1071 Publisher, DAAAM International Vienna
16. Grigore Marian Pop, Andrei Tirla, Glad Contiu, CO Chetreanu Don, Andrei Ioan Oltean, Dana Koukach RESEARCHES REGARDING THE THERMAL BEHAVIOR OF A CNC MILLING MACHINE USING IR THERMOGRAPHY IN COMPEARANCE WITH ODER CONVENTIONAL METHODS. Publication date 2010/1/1 Journal Annals of DAAAM & Proceedings
17. CO Chetreanu Don, Marcel Sabin Popa, Andrei Tirla, Grigore Marian Pop, Andrei Ioan Oltean, Glad Contiu MEASUREMENTS REGARDING MAIN LASER BEAM PARAMETERS DURING LASER CUTTING. Publication date 2010/1/1 Journal Annals of DAAAM & Proceedings
18. Crișan, Liviu; Grigore-Marian, Pop; Calin, Neamțu , THE INFLUENCE OF PROCESS TEMPERATURE



ON GEOMETRICAL DEVIATIONS AT THE DRILLING OF CARBON FIBER REINFORCED COMPOSITES.

Source: Quality - Access to Success . 2012 Supplement, p109-112. 4p.

19. Andrei Tirla, Marcel Sabin Popa, Grigore Marian Pop, Andrei Ion Oltean "ECOLOGY ASPECTS IN ORDER TO REDUCE THE MAINTENANCE RATIO IN THE EDM PROCESS,
<http://odrzananje.unze.ba/zbornici/2010/037-O10-046.pdf>"

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

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

1. . **POP, G.**, POPA, M.S., CONTIU G., TIRLA, A., SOME APPLICATION OF THERMOGRAPHY AND LASER MEASUREMENT FOR THE OPTIMISATION OF CMM MACHINES, The 9th International Conference – Modern Technologies in Manufacturing - MTeM 2009, Cluj-Napoca, Romania, 8-10 October 2009, pag. 245-248, ISBN 973-7937-07-04. (<http://www.mtem.utcluj.ro/index.htm>)§
2. TIRLA, A., POPA, M.S., CONTIU G., **POP, G.**, SOME RESEARCH ABOUT SURFACE QUALITY IN THE EDM PROCESS, The 9th International Conference – Modern Technologies in Manufacturing - MTeM 2009, Cluj-Napoca, Romania, 8-10 October 2009, pag. 281-284, ISBN 973-7937-07-04. (<http://www.mtem.utcluj.ro/index.htm>)
3. **POP. G.M.** Popa, M.S., Pfeifroth, T., Koukach, D., MATHEMATICAL MODELING AND ANALYSIS OF PROCESS TEMPERATURES IN DRILLING REINFORCED COMPOSITES USING RESPONSE SURFACE METHODOLOGY, – Modern Technologies in Manufacturing - MTeM 2011, Cluj-Napoca, Romania, 8-10 October 2011, pag. 262-265, ISBN 978-606-8372-02-0 (<http://www.mtem.utcluj.ro/index.htm>);
4. **POP. G.M.** Popa M. S., Contiu G., T., Koukach, D, PROCESS TEMPERATURE DETERMINATION IN DRILLING REINFORCED PLASTICS COMPOSITES USING IR THERMOGRAPHY– Modern Technologies in Manufacturing - MTeM 2011, Cluj-Napoca, Romania, 8-10 October 2011, pag. 266-269, ISBN 978-606-8372-02-0 (<http://www.mtem.utcluj.ro/index.htm>);
5. **Pop Grigore Marian** , T. Andrei, C. D. Camil Octav, V. Simon, “MODELING AND ANALYSIS FOR PROCESS TEMPERATURES IN DRILLING REINFORCED COMPOSITES USING RESPONSE SURFACE METHODOLOGY”- publicat in volum conferinta PRODOC, Cluj-Napoca, 24 iunie 2011;
6. **Pop Grigore Marian**, T. Andrei, C. D. Camil Octav, B. Ioan, “RESEARCHES REGARDING THE THERMAL BEHAVIOR IN DRILLING REINFORCED PLASTICS COMPOSITES USING IR THERMOGRAPHY”- publicat in volum conferinta PRODOC, Cluj-Napoca, 24 iunie 2011;
7. CHETREANU-DON, C.O, **POP, G.M.**, Simon V., RESEARCH REGARDING THE BEHAVIOR OF THE MATERIALS 100CR6 AND LASER 250 C AFTER LASER WELDING AND TENSILE TESTING (PART I), publicat in volum conferinta PRODOC, Cluj-Napoca, 24 iunie 2011;
8. CHETREANU-DON, C.O, **POP, G.M.**, TIRLA, A., RESEARCH REGARDING THE BEHAVIOR OF THE MATERIALS 100CR6 AND LASER 250 C AFTER LASER WELDING AND TENSILE TESTING (PART II), publicat in volum conferinta PRODOC, Cluj-Napoca, 24 iunie 2011;



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9. TIRLA, A., POP, G.M., CHETREANU-DON, C.O., BADIU, I., ANALYZING THE ELECTRODE WEAR AND ROUGHNESS IN EDM PROCESS THROUGH THE RESPONSE SURFACE METHOD USING THE CU-ST PAIR OF MATERIALS., publicat in volum conferința PRODOC, Cluj-Napoca, 24 iunie 201
10. Pop Grigore Marian, Steopan Mihai, Popister Florin, Surface Roughness Evaluation When Milling Carbon Fiber Reinforced Composites, XIIth International Scientific Conference Coordinate Measuring Technique University of Bielsko-Biała (Akademia Techniczno-Humanistyczna w Bielsku-Białej) ul. Willowa 2 PL 43-309 Bielsko-Biała, June 2016

11. Other Scientific Papers and Contributions

11.1. National Prizes in the Field of Activity

1. Member of Editorial Teams or Scientific Committees of Scientific Journals and Recenzor pentru 2nd International Conference on Design, Simulation, Manufacturing: The Innovation Exchange, DSMIE-2019, June 11-14, 2019, Lutsk, Ukraine -10;
2. Member of Editorial Teams or Scientific Committees 2nd International Conference on Design, Simulation, Manufacturing: The Innovation Exchange, DSMIE-2019, June 11-14, 2019, Lutsk, Ukraine <http://dsmie.sumdu.edu.ua/home/archive/dsmie-2019.html>;
3. Reviewer for (InterPartner-2019) Grabchenko's International Conference on Advanced Manufacturing Processes (InterPartner-2019) September 10-13, 2019 | Odessa, Ukraine <http://interpartner.odessa.ua/program.html>;
4. Member of Editorial Teams or Scientific Committees Grabchenko's International Conference on Advanced Manufacturing Processes (InterPartner-2019) September 10-13, 2019 | Odessa, Ukraine, <http://interpartner.odessa.ua/program.html> -;
5. Reviewer for MANUFACTURING 2019, Poznan University of Technology, <https://www.springer.com/us/book/9783030187149?fbclid=IwAR3evo9JaLuzSX34XDs2MyLXKDjVVRsOmJ68aF9Kt8KbSkEzY9-UcbO9Naw> ;
6. Member of Editorial Teams or Scientific Committees Conference on Production Research - Africa, Europe and the Middle East (ICPR-AEM) / 4th International Conference on Quality and Innovation in Engineering and Management (QIEM) Location: Cluj Napoca, ROMANIA Date: JUL 25-30, 2016 -
7. Member of Editorial Teams or Scientific Committees INTERNATIONAL CONFERENCE INNOVATION IN ENGINEERING School of Engineering - University of Minho Campus de Azurém 4800-058 Guimarães - PORTUGAL July 08-10, 2020 https://icieng.eu/committees/?fbclid=IwAR33vUtrEi_wvQdBgao4uqpnB3W6ioAOLj9r4HplgH0wOW6LFISysx7eqO4 -
8. Recenzor pentru jurnalul Sage Open v -
9. Reviewer for Archives of Mechanical Technology and Materials -
10. Reviewer for Elsevier Composites part B-
11. IMEKO TC 14 Measurement of Geometrical Quantities (established in 1980), <https://www.imeko.info/index.php/tc14-homepage/tc14-members> -



11.2. Events, Organizer of Scientific Events

Google Scholar: h – index: 3, i10-index: 1,49 citations,32 citations in the last 5 years, 51 indexed articles;

Scopus: h-index: h – index: 2, 18 citations, 17 indexed articles;

Web of Science: h-index: 1, 8 citations, 14 indexed articles.

9. Participation in research teams

1. Cercetari fundamentale si experimentale privind prelucrarea materialelor avansate precum materialele compozite armate cu fibre de carbon; competiția internă 2014-2015 - Teme Strategice De Cercetare Pentru Echipe Tinere - tip 1.2 , nr 29545/9.12.14. (http://research.utcluj.ro/tl_files/research/Lansare%20competitii/Competitie%20interna%202014-2015/Lista%20propuneri%20proiecte%20acceptate%20spre%20finantare_2014.pdf);
2. Integrated Innovation Management System for SMEs, acronim: InnDrive, finanțator: ANCS, Cod: PNIPT PCCA201341319, 2014-2016, Fulea, M. (director proiect)
3. Îmbunătățirea caracteristicilor de calitate, ale pieselor tăiate cu jet de apă, pe baza analizei emisiei acustice, proiect castigat in competitie interna UTCN, Director contract Sl. dr. ing. Popan Alexandru
4. Bridge Grant Dezvoltarea posibilitatilor de prelucrare a materialelor compozite avansate prin taiere de precizie cu jet de apa/ New developments in water jet cutting for accurate machining of the advanced composite materials PreMCo, CNCS/CCCDI–UEFISCDI, project number PN-III-P2-2.1-BG-2016-0216, within PNCDI III, Director contract Sl. dr. ing. Popan Alexandru
5. Titlu proiect: "Îmbunătățirea capacității atelierului mecanic al UTCN pentru desfășurarea stagiilor de practică ale studenților" CNFIS-FDI-2019-0546, Director de proiect: prof.dr.ing. Cornel CIUPAN
6. Industry Academia Problem Solving Tournament_ Acronym IMPULSE, Universitatea Antreprenoriala Competitia de mini-granturi pentru proiecte antreprenoriale derulate in universitati, Buget 6167 USD, Grigore Marian Pop, asistent proiect coordinator, Director contract Sl. dr. ing. Stefan Bodi
7. cod DTP2-012-1.2, finanțat prin Programul Interreg Danube Transnational Programme, "Danube Chance 2.0 on second chance entrepreneurship", director proiect conf. dr. ing. Mihai Dragomir
8. SMART FACTORY HUB Improving RD and business policy conditions for transnational cooperation in the manufacturing industry, director Contract prof. dr. ing. Daniela Popescu
9. Geometrical Product Specification and Verification as toolbox to meet up-to-date technical requirements, Erasmus + , director Contract prof. dr. ing. Sorin Popescu

Cluj- Napoca
10.06.2018

Pop Grigore Marian

