

Glăvan Dan Ovidiu

LISTA DE LUCRĂRI
Actualizată 1.10.2025

Abilitare:

2024 Universitatea Politehnica Timișoara Sisteme tehnice complexe și metode noi de învățare în ingineria industrial DOMENIUL: INGINERIE INDUSTRIALA Comisia 16 CNATDCU

Doctorat :

1999 Universitatea Politehnica Timișoara- Masini unelte si sisteme integrate de masini unelte DOMENIUL: INGINERIE INDUSTRIALA Comisia 16 CNATDCU

Titlul tezei:

“STRUCTURI NOI ÎN CONDIȚIILE COPIERII ȘI A COMENZII ADAPTIVE LA STRUNGURI” susținută în 24 iunie 1999

Cărți și capitole de cărți publicate în străinătate

1. Enhanced Reconditioning of Heavy-Duty Pulp Industry Equipment: Advantages of Abrasive Waterjet Cutting

Armando Lopes Ramalho (Polytechnic Institute of Castelo Branco, Portugal), Agostinho da Silva (Instituto Politécnico de Leiria, Portugal), Marcelo Calvete Gaspar (Instituto Politécnico de Leiria, Portugal), Carlos Capela (Instituto Politécnico de Leiria, Portugal), Luis Celorrio-Barragué (Universidad de La Rioja, Spain) and Dan Ovidiu Glăvan (University Aurel Vlaicu Arad, Romania)

Source Title: [Handbook of Research on Driving Industrial Competitiveness With Innovative Design Principles](#)

Copyright: © 2020 |Pages: 17

DOI: 10.4018/978-1-7998-3628-5.ch015

<https://www.igi-global.com/chapter/enhanced-reconditioning-of-heavy-duty-pulp-industry-equipment/258714>

2. Advanced Aspects of Engineering Research Vol. 1 Chapter 11 Computer Simulating Harvesting Forces Using 3D Modeling for the Olive Tree

Dan Ovidiu Glăvan, Andreea Ioana Glavan, Theoharis Babanatsas and Roxana Mihaela Babanatis Merce Editor(s) Dr. Rodolfo Dufo Lopez

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FIRST EDITION 2021 ISBN 978-93-90149-84-1 (Print)

ISBN 978-93-90149-85-8 (eBook)

DOI: 10.9734/bpilaer/v1

<https://stm.bookpi.org/AAER-V1/article/view/337>

Cărți

1. UMateriale avansate in design Editura Universității „Aurel Vlaicu” Arad Nr CNCSIS 218 2018 ISBN 978073-752-785-1

Glăvan Dan Ovidiu, Popa Alexandru, Babanatsas Theoharis, Merce Roxana Mihaela 314 pag

2. Ghidul materialelor în design Editura Universității „Aurel Vlaicu” Arad Nr CNCSIS 218,2016 ISBN 978-973-752-772-1 Glăvan Dan Ovidiu, Babanatsas Theoharis, Merce Roxana Mihaela, Glăvan Rodica Adriana 259 pag
3. Welcome in the world of 0 and 1 in cutting processing machines The book of

CAD/CAM engineer Editura Universității „Aurel Vlaicu” Arad, 2016, Nr CNCSIS 218 ISBN> 978-973-752771-4, Dan Ovidiu Glavan, Babanatsas Theoharis 148 pag (limba engleza)

4. Componente ale Mașinilor-unelte Editura Universității „Aurel Vlaicu” Arad Nr CNCSIS 218 ,2014, ISBN 978-973-752-709-7, Glăvan Dan Ovidiu 284 pag
5. Compunerea și funcționarea Mașinilor- unelte Editura Universității „Aurel Vlaicu” Arad Nr CNCSIS 218,2014, ISBN978-973-752-710-3 , Glăvan Dan Ovidiu 260 pag

Manuale și îndrumătoare de laborator

1. Mașini Unelte și Agregate-curs Editura Universității „Aurel Vlaicu” Arad Nr CNCSIS 218, Glăvan Dan Ovidiu, 2014, ISBN 978-973-752-711-0 219 pag
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3. Elemente de vibrații mecanice-curs, ,2001 Editura Universității „Aurel Vlaicu” Arad, Nr CNCSIS 218 Ioan Radu, Glăvan Dan Ovidiu ISBN 973-9361-52-8 196 pag
4. Vibrațiile mecanice in tehnica, curs, 2001, Ioan Radu, Glăvan Dan Ovidiu, Editura Universității „Aurel Vlaicu” Arad, Nr CNCSIS 218 ISBN 973-9361-50-1 118 pag
5. Compunerea și construcția mașinilor-unelte, curs, 2002 Editura Universității „Aurel Vlaicu” Arad Nr CNCSIS 218, Glăvan Dan Ovidiu, Babanatsas Theoharis, Babanatsas Theoharis ISBN 973-99086-8-3 255 pag
6. Mașini-unelte, curs, 1996 Editura Universității „Aurel Vlaicu” Arad, Nr CNCSIS 218 Glăvan Dan Ovidiu, 86 pag
7. îndrumător de Laborator CAM- Strunjire Editura Universității „Aurel Vlaicu” Arad Nr CNCSIS 218 ,2013, Glăvan Dan Ovidiu, Babanatsas Theoharis ISBN 978-973-752-711-0 114 pag
8. îndrumător de Laborator CAM- Frezare 2014 Editura Universității „Aurel Vlaicu” Arad Nr CNCSIS 218, 2013, Glăvan Dan Ovidiu, Babanatsas Theoharis iSbN 978-973-752-714-1 188 pag
9. îndrumător de Laborator Bazele generării suprafețelor pe mașini-unelte Editura Universității „Aurel Vlaicu” Arad Nr CNCSIS 218 2015, Babanatsas Theoharis , Glăvan Dan Ovidiu ISBN: 978-973-752-7318 80 pag
10. CALCULUL SI OPTIMIZAREA PARAMETRILOR PROCESELOR TEHNOLOGICE DE PRELUCRARE PRIN ASCHIERE 2024Autori: Mircea Raul-Bogdan, Glăvan Dan Ovidiu, Theoharis Babanatsas Editura Universitatii „Aurel Vlaicu” Arad Nr CNCSIS 218, 2013 ISBN: 978-973-752-937-3
11. CALCULUL SI OPTIMIZAREA PARAMETRILOR PROCESELOR TEHNOLOGICE DE PRELUCRARE PRIN ASCHIERE 2024Autori: Mircea Raul-Bogdan, Glăvan Dan Ovidiu, Theoharis Babanatsas Editura Universitatii „Aurel Vlaicu” Arad Nr CNCSIS 218, 2013 ISBN: 978-973-752-937-3
- 12.

Lucrări publicate structurate ISI/BDI/altele (CNATDCU)

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By: [Glavan, Dan Ovidiu](#); [Kazomir, Emil-Calin](#); [Babanatsas, Theoharis](#) ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING
Volume: 64 Issue: 2 Pages: 235-240 Published: JUN 2021

http://apps.webofknowledge.com/full_record.do?product=WOS&searchmode=GeneralSearch&qid=1&SI_D=C4z8Rlc8u4WLM9b8Qcs&page=1&doc=1#searchErrorMessage

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http://apps.webofknowledge.com/full_record.do?product=WOS&searchmode=GeneralSearch&qid=1&SI_D=C4z8Rlc8u4WLM9b8Qcs&page=1&doc=2#searchErrorMessage

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Volume: 64 Issue: I Pages: 103-106 Published: MAR 2021 Document Type: Article

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Volume: 64 Issue: I Pages: 107-112 Published: MAR 2021 Document Type: Article

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APPLIED SCIENCES-BASEL Volume: 9 Issue: 17 Article Number: 3545 DOI:

JCR® Category	Rank in Category	Quartile in Category
PHYSICS, APPLIED	67 of 148	Q2

Published: SEP 1 2019 Document Type:Article ZONA GALBENĂ Impact Factor 2.217-2018, 2.287 5 year

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ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING Volume: 62 Issue: 1 Pages: 87-90 Published: MAR 2019 Document Type:Article Accession Number: WOS:000464577100011 ISSN: 1221-5872

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ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING Volume: 62 Issue: 1 Pages: 183-186 Published: MAR 2019 Document Type:Article Revista FI=0 Accession Number: WOS:000464577100025 ISSN: 1221-5872

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ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING

Volume: 62 Issue: 1 Pages: 187-192 Published: MAR 2019 Document Type:Article Revista FI=0 Accession Number: WOS:000464577100026 ISSN: 1221-5872

http://apps.webofknowledge.com/full_record.do?product=WOS&searchmode=GeneralSearch&qid=1&SI D=C5JuoBRdeZPizrQJN gx&page= 1&doc=3

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Volume: 290 Article Number: 04003

DOI: 10.1051/mateconf/201929004003 Published: 2019 Document Type: Proceedings Paper
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Volume: 290 Article Number: 03001 DOI: 10.1051/mateconf/201929003001 Published: 2019 Document Type: Proceedings Paper

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Edited by: [Chova, LG](#); [Martinez, AL](#); [Torres, IC](#) Book Series: INTED Proceedings Pages: 7331-7338 Published: 2018 Document Type: Proceedings Paper Conference: 12th International Technology, Education and Development Conference (INTED) Location: Valencia, SPAIN Date: MAR 05-07, 2018

Accession Number: WOS:000448704002051 ISBN:978-84-697-9480-7 ISSN: 2340-1079

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ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING

Volume: 61 Issue: 4 Pages: 555-560 Published: NOV 2018 Document Type: Article Revista FI=0 Accession Number: WOS:000453442200004 ISSN: 1221-5872

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Volume: 61 Issue: 4 Pages: 561-566 Published: NOV 2018 Document Type: Article Revista FI=0 Accession Number: WOS:000453442200005 ISSN: 1221-5872

http://apps.webofknowledge.com/full_record.do?product=WOS&searchmode=GeneralSearch&qid=1&SID=E4iv3pzigZvGEJCQzRG&page=1&doc=2

15. Tool machinery vibrations frames comparison concerning welded or moulded manufacturing structures. manufacturing structures. Glavan, D.O., Babanatsas, T. 2017 MATEC Web of Conferences 8TH INTERNATIONAL CONFERENCE ON MANUFACTURING SCIENCE AND EDUCATION (MSE 2017) - TRENDS IN NEW INDUSTRIAL REVOLUTION Edited by: [Bondrea, I; Simion, C; Inta,](#)

[M](#) Book Series: MATEC Web of Conferences

Volume: 121 Article Number: UNSP 01005 DOI: 10.1051/mateconf/201712101005

Published: 2017 Document Type: Proceedings Paper Conference: 8th International Conference on Manufacturing Science and Education (MSE) - Trends in New Industrial Revolution Location: Sibiu, ROMANIA http://apps.webofknowledge.com/full_record.do?product=WOS&searchmode=GeneralSearch&qid=1&SID=E4iv3pzigZvGEJCQzRG&page=1&doc=5

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16. 3D modeling of olive tree and simulating the harvesting forces. Glavan, D.O., Babanatsas, T., Babanatis Merce, R.M.. 2017 MATEC Web of Conferences 8TH INTERNATIONAL CONFERENCE ON MANUFACTURING SCIENCE AND EDUCATION (MSE 2017) - TRENDS IN NEW INDUSTRIAL REVOLUTION Edited by: [Bondrea, I; Simion, C; Inta,](#)

[M](#) Book Series: MATEC Web of Conferences Volume: 121 Article Number: UNSP 10004

DOI: 10.1051/mateconf/201712110004 Published: 2017 Document Type: Proceedings Paper Conference: 8th International Conference on Manufacturing Science and Education (MSE) - Trends in New Industrial Revolution Location: Sibiu, ROMANIA

http://apps.webofknowledge.com/full_record.do?product=WOS&searchmode=GeneralSearch&qid=1&SID=E4iv3pzigZvGEJCQzRG&page=1&doc=4

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17. High level precision manufacturing with real time correction Gheorghe Sima, Dan Glavan, Alexandru Popa, Doina Mortoiu, University of Zagreb 43 ed of Actual Tasks on Agricultural Engineering 24-27 feb. 2015 Opatija, Croatia <http://atae.agr.hr> Croatian Agricultural Engineering Society

Actual Tasks on Agricultural Engineering

ISSN 1848-4425 Vol 1 pp 387 D.O.I.(UDC) 004.42:621.317.7

Proceedings of the 43 International Symposium on Agricultural Engineering

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SOFT COMPUTING APPLICATIONS, (SOFA 2014), VOL 1 Edited by: [Balas, VE; Jain, LC; Kovacevic, B](#)

Book Series: Advances in Intelligent Systems and Computing Volume: 356 Pages: 135-140

Part: I DOI: 10.1007/978-3-319-18296-4_11 Accession Number: WOS:000452853200011

Published: 2016 Document Type: Proceedings Paper

Conference: 6th International Workshop on Soft Computing Applications (SOFA) Location: Timisoara, ROMANIA Date: JUL 24-26, 2014

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Book Series: Advances in Intelligent Systems and Computing Volume: 357 Pages: 971-980
Part: 2 DOI: 10.1007/978-3-319-18416-6_77 Accession Number: WOS:000452854600021
Published: 2016 Document Type: Proceedings Paper

Conference: 6th International Workshop on Soft Computing Applications (SOFA) Location:
Timisoara, ROMANIA Date: JUL 24-26, 2014

http://apps.webofknowledge.com/full_record.do?product=WOS&searchmode=GeneralSearch&qid=18&_SID=E4iv3pzgZvGEJCOOzRG&page=1&doc=3

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1. Considerations about command system for lathes with numerical controls, adaptive controls and copying system with hydraulic modules or computer assisted. Glavan, D.O., Babanatsas, T., Borzan, M., Radu, I., Babanatis Merce, R.M.. KOD 2018 - IOP Conference Series: Materials Science and Engineering.

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2. Harvesting olive tree using accurate vibrations generated by a robotic system. T Babanatsasl, D O Glavan, R M Babanatis Merce, M Borzan, I Radul and S A Maris. KOD 2018 - IOP Conference Series: Materials Science and Engineering.

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4. Modelling in 3D the olive trees cultures in order to establish the forces (interval) needed for automatic harvesting. Babanatsas, T., Glávan, D.O., Babanatis Merce, R.M., Maris, A., ICAS2017 - IOP Conference Series: Materials Science and Engineering.

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5. Comparative study of tool machinery sliding systems; Comparison between plane and cylindrical basic shapes. Glávan, D.O., Babanatsas, T., Babanatis Merce, R.M., Glávan, A., ICAS2017 - IOP Conference Series: Materials Science and Engineering.

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6. Collaborative tools in higher education: The use of Wikis by industrial and mechanical engineering students Marcelo Gaspar a1, Escola Superior de Tecnologia, Instituto Politécnico de Castelo Branco, Castelo Branco 6000-767, Portugal. Luis Celorrio-Barrague b, Dpto. de Ingenieria Mecanica. Universidad de La Rioja, Logrono 26006, Spain. Ari Pikkarainen c, Department of Mechanical Engineering, Lapland University of Applied Sciences, Rovaniemi 96300, Finland. Dan Ovidiu Glavan d, "Universitatea Aurel Vlaicu" din Arad, Arad 310130, Romania. Selected paper of 8th World Conference on Learning, Teaching and Educational

Leadership, (WCLTA 2017) 26-28 October 2017, Universidade Aberta, Lisbon, Portugal
New Trends and Issues Proceedings on Humanities and Social Sciences Volume 4, Issue 8, (2017) 144-152
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_ Selection and peer review under responsibility of Prof. Dr. Jesus Garcia Laborda, University of Alcala, Spain. ©2017 SciencePark Research, Organization & Counseling

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Volume: 64 Issue: I Pages: 107-112 Published: MAR 2021 Document Type: Article

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10.3390/app9173545 Published: SEP 1 2019 Document Type: Article ZONA GALBENĂ

Impact Factor 2.217- 2018, 2.287 5 year

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Volume: 62 Issue: 1 Pages: 87-90 Published: MAR 2019 Document Type: Article Accession Number: WOS:000464577100011 ISSN: 1221-5872

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Volume: 62 Issue: 1 Pages: 183-186 Published: MAR 2019 Document Type: Article Revista FI=0 Accession Number: WOS:000464577100025 ISSN: 1221-5872

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Volume: 62 Issue: 1 Pages: 187-192 Published: MAR 2019 Document Type: Article Revista FI=0 Accession Number: WOS:000464577100026 ISSN: 1221-5872

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TOOL MACHINERY FRAMES COMPARISON: WELDED OR MOLDED STRUCTURES

By: [Glavan, DO](#) (Glavan, Dan Ovidiu)[1] ; [Ursu-Fischer, N](#) (Ursu-Fischer, Nicolae)[2] ; [Babanatsas,](#)

[T](#) (Babanatsas, Theoharis)[1] ; [Radu, I](#) (Radu, Ioan)[1] ; [Babanatis-Merce, RM](#) (Babanatis-Merce, Roxana Mihaela)[1] -revista

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Volume: 61 Issue: 4 Pages: 555-560 Published: NOV 2018 Document Type: Article Revista FI=0 Accession Number: WOS:000453442200004 ISSN: 1221-5872

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PROCESSING PRECISION ON TURNING MACHINE WITH INCLINED BED FRAME

By: [Glavan, DO](#) (Glavan, Dan Ovidiu)[1] ; [Babanatsas, T](#) (Babanatsas, Theoharis)[1] ; [Ciupan,](#)

[C](#) (Ciupan, Cornel)[2] ; [Babanatis-Merce, RM](#) (Babanatis-Merce, Roxana Mihaela)[1] ; [Radu, I](#) (Radu, Ioan)[1] ; [Gaspar, MC](#) (Gaspar, Marcelo Calvete)[3] -revista

ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING

Volume: 61 Issue: 4 Pages: 561-566 Published: NOV 2018 Document Type:Article Revista FI=0 Accession Number: WOS:000453442200005 ISSN: 1221-5872

http://apps.webofknowledge.com/full_record.do?product=WOS&searchmode=GeneralSearch&qid=1&SID=E4iv3pzgZvGEJCQzRG&page=1&doc=2

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Studiul regimului variabil și a comenzii adaptive Dan Glăvan, Babanatsas Theoharis Annals of the University-Petrosani - 2008 ISBN 1842-4449,

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Lucrări publicate Conferințe, Volume Conferințe

Experimental study on the automatic selection of olives

By:[Babanatis-Merce, RM](#) (Babanatis-Merce, Roxana Mihaela)[1] ; [Babanatsas, T](#)

(Babanatsas, Theoharis)[1] ; [Glavan, DO](#) (Glavan, Dan Ovidiu)[1] View Web of Science ResearcherID and ORCID 9TH INTERNATIONAL CONFERENCE ON MANUFACTURING SCIENCE AND EDUCATION (MSE 2019): TRENDS IN NEW INDUSTRIAL REVOLUTION

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2.Study of Forces Influencing the Shaking Parameters in Mechanized / Robot-assisted Harvesting of Olives

By: [Babanatsas, T](#) (Babanatsas, Theoharis)[1] ; [Glavan, DO](#) (Glavan, Dan Ovidiu)[1] ; [Babanatis-Merce, RM](#) (Babanatis-Merce, Roxana Mihaela)[1] ; [Glavan, AI](#) (Glavan, Andreea Ioana)[2] View Web of Science ResearcherID and ORCID

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ONLINE LEARNING ENVIRONMENT TOOLS IN HIGHER EDUCATION: CONTRIBUTIONS TO THEIR INTEGRATION IN ENGINEERING COURSES By: [Gaspar, MC](#) (Gaspar, M. C.)[1] ; [Pikkarainen, A](#) (Pikkarainen, A.)[2] ; [Celorrio-Barrague, L](#) (Celorrio-Barrague, L.)[3] ; [Glavan, DO](#) (Glavan, D. O.)[4]

12TH INTERNATIONAL TECHNOLOGY, EDUCATION AND DEVELOPMENT CONFERENCE (INTED)

Edited by: [Chova, LG](#); [Martinez, AL](#); [Torres, IC](#) Book Series: INTED Proceedings Pages: 7331-7338 Published: 2018 Document Type: Proceedings Paper Conference: 12th International Technology, Education and Development Conference (INTED) Location: Valencia, SPAIN Date: MAR 05-07, 2018

Accession Number: WOS:000448704002051 ISBN:978-84-697-9480-7 ISSN: 2340-1079

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Hard as a Rock or Deformation Controlled?

By: [Sima, G](#) (Sima, Gheorghe)[1] ; [Dan, G](#) (Dan, Glavan)[1] ; [Alexandru, P](#) (Alexandru, Popa)[1] ; [Muncut, E](#) (Muncut, E.)[1] SOFT COMPUTING APPLICATIONS, (SOFA 2014), VOL 1 Edited by: [Balas, VE](#); [Jain, LC](#); [Kovacevic, B](#) Book Series: Advances in Intelligent Systems and Computing Volume: 356 Pages: 135-140 Part: I DOI: 10.1007/978-3-319-18296-4_11 Accession Number: WOS:000452853200011 Published: 2016 Document Type: Proceedings Paper Conference: 6th International Workshop on Soft Computing Applications (SOFA) Location: Timisoara, ROMANIA Date: JUL 24-26, 2014

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Management, Traceability and Control of Industrial Processes

By: [Sima, G](#) (Sima, Gheorghe)[1] ; [Lile, R](#) (Lile, Ramona)[2] ; [Dan, G](#) (Dan, Glavan)[1] ; [Muncut, E](#) (Muncut, Elena)[1] SOFT COMPUTING APPLICATIONS, (SOFA 2014), VOL 2 Edited by: [Balas, VE](#); [Jain, LC](#); [Kovacevic, B](#)

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Collaborative tools in higher education: The use of Wikis by industrial and mechanical engineering students Marcelo Gaspar a1, Escola Superior de Tecnologia, Instituto Politécnico de Castelo Branco, Castelo Branco 6000-767, Portugal. Luis Celorrio-Barrague b, Dpto. de Ingenieria Mecanica. Universidad de La Rioja, Logrono 26006, Spain. Ari Pikkarainen c, Department of Mechanical Engineering, Lapland University of Applied Sciences, Rovaniemi 96300, Finland. Dan Ovidiu Glavan d, "Universitatea Aurel Vlaicu" din Arad, Arad 310130, Romania. Selected paper of 8th World Conference on Learning, Teaching and Educational Nonconventional sources of movement used to obtain high level precision manufacturing , Alexandru Popa, Dan Ovidiu Glávan, Doina Mortoiu, Adina Bucevschi "Gheorghe Asachi" University of Iași - Faculty of Machine Manufacturing and Industrial Engineering the 19th International Conference IManE 2015 Trans Tech Publications Switzerland, Applied Mechanics and Materials, ISSN 1662-7482, Vol 809810 pp75-80, D.O.I. 10.4028, Innovative Manufacturing Engineering 2015 , ISBN-13:978-3-03835-663-9 www.scientific.net/AMM.809-810.75,

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Brevete de inventie

1. Lead screw type machine tool carriage feeder consists of transverse and longitudinal combined drive. Patent Number: RO104108-A Patent Assignee: INTR MASINI UNELTE ARAD Inventor(s): GLAVAN D O. International Patent Classification B23B-021/100 Derwent class Code :P54(metal milling ,machining, electroworking)

http://apps.webofknowledge.com/full_record.do?colName=DIIDW&recordID=1993173484&log event=no&search mode=GeneralSearch&qid= 14&log event=yes&product=UA&SID=F36JuiPaicURupkM9P&viewType=fullRecord&doc=27&page=3,

2. Lead screw type machine tool carriage feeder consists of transverse and longitudinal

- combined drive. Patent Number: RO104108-A Patent Assignee: INTR MASINI UNELTE ARAD Inventor(s): GLAVAN D O. International Patent Classification B23B-021/100 Derwent class Code :P54(metal milling ,machining, electroworking)
<http://apps.webofknowledge.com/fullrecord.do?colName=DIIDW&recordID=1993173483&log event=no&search mode=GeneralSearch&qid=14&log event=yes&product=UA&SID=F36JuiPaicURurpkM9P&viewType=fullRecord&doc=28&page=3>,
 3. Lead screw type machine tool carriage feeder consists of transverse and longitudinal combined drive. Patent Number: RO104107-A Patent Assignee: INTR MASINI UNELTE ARAD Inventor(s): GLAVAN D O International Patent Classification B23B-021/100 Derwent class Code :P54(metal milling ,machining, electroworking) h8.1,
<http://apps.webofknowledge.com/fullrecord.do?colName=DIIDW&recordID=1993173482&log event=no&search mode=GeneralSearch&qid=14&log event=yes&product=UA&SID=F36JuiPaicURurpkM9P&viewType=fullRecord&doc=29&page=3>
 4. Inertial system for converting rotational motion into unidirectional linear motion by using inertial force of liquid, has components which delimit variable volumes of liquid during complete rotation and whose rotations are performed through blades
 Inventors [GEROCS A](#); [GLAVAN D](#); [MULLER V](#) Patent Assignees [GEROCS A](#) ([GERO-Individual](#)) [GLAVAN D](#) ([GLAV-Individual](#)) [MULLER V](#) ([MULL- Individual](#))
 Derwent Primary Accession Number 2023-59088G Indexed 2023-08-10
<https://www.webofscience.com/wos/diwd/full-record/DIWD:202359088G>
 5. Inertial system for converting rotational motion into unidirectional linear motion for machine, has eight vertical cylinders whose sealing is ensured through pistons whose exit from cylinders is stopped through stoppers
 Inventors [GEROCS A](#); [GLAVAN D](#); [MULLER V](#) Patent Assignees [GEROCS A](#) ([GERO-Individual](#)) [GLAVAN D](#) ([GLAV-Individual](#)) [MULLER V](#) ([MULL- Individual](#))
 Derwent Primary Accession Number 2023-59105P Indexed 2023-08-10
<https://www.webofscience.com/wos/diwd/full-record/DIWD:202359105P>
 6. Brevet inovatie MIET Dispozitiv de antrenare a hirtiei pentru imprimante matriceale Glavan Dan

Contracte de cercetare Director

1. "Studiu privind aplicarea canturilor din ABS de 2mm grosime pe plăci fibrolemnoase pe mașini tip agregat (cu mai multe posturi de lucru) și soluții pentru îmbunătățirea procesului din punct de vedere al calității suprafeței rezultate" contract nr 6745/2020, încheiat cu Kantex Arad srl, valoare 30.000 RON , 2 ani (proiect câștigat prin competiție publică: anunțarea publică în presă a concursului, depunere ofertă, anunțarea câștigătorului, contract de cercetare cu faze, termene, procese verbale de predare-primire pentru fiecare fază și factură cu dovada achitării, raport de cercetare)
2. "Creșterea eficienței energetice a exploatării Agricole din Lipova Bai, soluții de diminuare a consumului și creșterea randamentului energetic, soluții energetice alternative " contract nr 7040/2020 , încheiat cu CORYLACEA JV Arad, valoare 30.000 RON , 2 ani (proiect câștigat prin competiție publică: anunțarea publică în presă a concursului, depunere ofertă, anunțarea câștigătorului, contract de cercetare cu faze, termene, procese verbale de predare-primire pentru fiecare fază și factură cu dovada achitării, raport de cercetare)
3. Contract nr 471-2004 Studiul stabilității statice a strungului SN 400.3 beneficiar S.C. Aris Arad S.A. , 1 an, valoare 100.000.000 ROL=10.000 RON aprox 12.500 EURO
4. Contract nr 475-1996 Studiul stabilității statice a strungului SP 250 CNC beneficiar S.C. Aris Arad S.A., 1 an , valoare 100.000.000 ROL=10.000 RON aprox 12.599 EURO
5. Contract nr 141-2006 Păpușă mobilă cu acționare electromecanică pentru strungul SU 400 CNC beneficiar S.C. Aris Arad S.A., 2 ani, 14.500.000 ROL=1.450 RON aprox 1.800 EURO
6. Contract nr 142-2005 Turelă cu acționare electromecanică pentru strungul SU 400 CNC beneficiar S.C. Aris Arad S.A., 2 ani, valoare 12.000.000 ROL=1.250 RON aprox 1.600 EURO
7. Contract nr 143-2005 Minifreză tip școală cu CNC beneficiar S.C. Aris Arad S.A. , 2 ani , valoare 13.599.000 ROL=1.359,9 RON aprox 1.700 EURO

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cod: PN-III-P2-2.1 -PTE-2016-0217

2. Contract de finantare pentru executie proiecte: nr 28PTE/06.11.2016 Titlul: Instalatie demonstrativa pentru o tehnologie inovativa de topire a canepii valoare totala: 1.779.682,00 lei , din care UAV: 518001 lei

durata 24 luni

3. Dispozitiv de transfer de masa in procesul de albire contract 5034C/1993 beneficiar Ministerul Invatamintului, Directia Cercetare si Doctorat membru colectiv cercetare, valoare 5.800 RON , 3 ani
4. POSDRU/135/5.2/S/128939 Progres Rural Regiune Vest si Nord Ves, durata ani Parteneri: UAV aprilie 2014 septembrie 2015-1,5 ani
5. POSDRU/124/5.1/S/131980 Re-activ pe piata muncii durata ani Parteneri : UAV aprilie 2014 septembrie 2015-1,5 ani
6. POSDRU /160/2.1/S/138850 Studentul consiliat-excelent viitor angajat 2 ani
7. POSDRU 189/2.1/g/156607 CONPRACTIS