

## LISTA DE LUCRĂRI

1. Doctorat :1999 Universitatea Politehnica Timișoara- Masini unelte si sisteme integrate de masini unelte DOMENIUL: **INGINERIE INDUSTRIALA Comisia 16 CNATDCU** (grila de îndeplinire a standardelor minimale)Titlul tezei: “STRUCTURI NOI ÎN CONDIȚIILE COPIERII ȘI A COMENZII ADAPTIVE LA STRUNGURI” susținută în 24 iunie 1999
2. Cărți
  - 2.1 Materiale avansate in design Editura Universității „Aurel Vlaicu” Arad Nr CNCSIS 218 2018 ISBN 978-073-752-785-1  
**Glăvan Dan Ovidiu**, Popa Alexandru, Babanatsas Theoharis, Merce Roxana Mihaela 314 pag
  - 2.2 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
  - 2.3 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> 978-973-752-771-4, **Dan Ovidiu Glavan**, Babanatsas Theoharis 148 pag (limba engleza)
  - 2.4 Componente ale Mașinilor-unelte Editura Universității „Aurel Vlaicu” Arad Nr CNCSIS 218 ,2014, ISBN 978-973-752-709-7, **Glăvan Dan Ovidiu** 284 pag
  - 2.5 Compunerea și funcționarea Mașinilor- unelte Editura Universității „Aurel Vlaicu” Arad Nr CNCSIS 218,2014, ISBN978-973-752-710-3 , **Glăvan Dan Ovidiu** 260 pag
3. Manuale și îndrumătoare de laborator
  - 3.1 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  
Proiectarea asistată de calculator-curs Editura Universității „Aurel Vlaicu” Arad Nr CNCSIS 218, **Glăvan Dan Ovidiu**, Babanatsas Theoharis,2014, ISBN978-973-712-7 153 pag
  - 3.2 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
  - 3.3 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
  - 3.4 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
  - 3.5 Mașini-unelte, curs, 1996 Editura Universității „Aurel Vlaicu” Arad, Nr CNCSIS 218 **Glăvan Dan Ovidiu**, 86 pag
  - 3.6 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
  - 3.7 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
  - 3.8 Îndrumător de Laborator Bazele generării suprafețelor pe mașini-unelte Editura Universității „Aurel Vlaicu” Arad Nr CNCSIS 218 2015, Babanatsas Theoharis , **Glăvan Dan Ovidiu** ISBN: 978-973-752-731-8 80 pag
4. Lucrări indexate ISI
  - 4.1 Design of Three Phase Solid State Transformer Deployed within Multi-Stage Power Switching Converters  
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- APPLIED SCIENCES-BASEL Volume: 9 Issue: 17 Article Number: 3545  
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[https://uefiscdi.gov.ro/resource-822843?&wtok=&wtkps=XY1bDslgEEX3wrdFBmhLpnsWJq6gAWoxTQ+g1sS4dyk/Rv9u7p\\_xzp8USXwEFkuAMaVKqkMCtB9B9HHWQTIJalVt8LKrnUHVl4UcZhdXZQOKykxSA3NRljJnH8+UoasYVV6xU+4En9tscIK0Kxpli2SqzdfpzgKXdH5Aj2Wz+mNJ9Mutg6eSvdLWdC9o4+nB2o62PTk8Dad4f&wchk=2e10dcb2894f4d9f16eecd650d5083eece242fd](https://uefiscdi.gov.ro/resource-822843?&wtok=&wtkps=XY1bDslgEEX3wrdFBmhLpnsWJq6gAWoxTQ+g1sS4dyk/Rv9u7p_xzp8USXwEFkuAMaVKqkMCtB9B9HHWQTIJalVt8LKrnUHVl4UcZhdXZQOKykxSA3NRljJnH8+UoasYVV6xU+4En9tscIK0Kxpli2SqzdfpzgKXdH5Aj2Wz+mNJ9Mutg6eSvdLWdC9o4+nB2o62PTk8Dad4f&wchk=2e10dcb2894f4d9f16eecd650d5083eece242fd) pag 446
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 ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING  
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[http://apps.webofknowledge.com/full\\_record.do?product=WOS&search\\_mode=GeneralSearch&qid=1&SID=C5JuoBRdeZPizrQJNgx&page=1&doc=1](http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=C5JuoBRdeZPizrQJNgx&page=1&doc=1)
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 ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING  
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[http://apps.webofknowledge.com/full\\_record.do?product=WOS&search\\_mode=GeneralSearch&qid=1&SID=C5JuoBRdeZPizrQJNgx&page=1&doc=2](http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=C5JuoBRdeZPizrQJNgx&page=1&doc=2)
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 ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING  
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[http://apps.webofknowledge.com/full\\_record.do?product=WOS&search\\_mode=GeneralSearch&qid=1&SID=C5JuoBRdeZPizrQJNgx&page=1&doc=3](http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=C5JuoBRdeZPizrQJNgx&page=1&doc=3)
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- 12TH INTERNATIONAL TECHNOLOGY, EDUCATION AND DEVELOPMENT CONFERENCE (INTED)  
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[http://apps.webofknowledge.com/full\\_record.do?product=WOS&search\\_mode=GeneralSearch&qid=1&SID=E4iv3pZgZvGEJCQzRG&page=1&doc=3](http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=E4iv3pZgZvGEJCQzRG&page=1&doc=3)

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Accession Number: WOS:000453442200004 ISSN: 1221-5872

[http://apps.webofknowledge.com/full\\_record.do?product=WOS&search\\_mode=GeneralSearch&qid=1&SID=E4iv3pZgZvGEJCQzRG&page=1&doc=1](http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=E4iv3pZgZvGEJCQzRG&page=1&doc=1)

4.7 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

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[http://apps.webofknowledge.com/full\\_record.do?product=WOS&search\\_mode=GeneralSearch&qid=1&SID=E4iv3pZgZvGEJCQzRG&page=1&doc=2](http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=E4iv3pZgZvGEJCQzRG&page=1&doc=2)

4.8 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

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[http://apps.webofknowledge.com/full\\_record.do?product=WOS&search\\_mode=GeneralSearch&qid=1&SID=E4iv3pZgZvGEJCQzRG&page=1&doc=5](http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=E4iv3pZgZvGEJCQzRG&page=1&doc=5)

4.9 3D modeling of olive tree and simulating the harvesting forces. **Glăvan, 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

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[http://apps.webofknowledge.com/full\\_record.do?product=WOS&search\\_mode=GeneralSearch&qid=1&SID=E4iv3pZgZvGEJCQzRG&page=1&doc=4](http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=E4iv3pZgZvGEJCQzRG&page=1&doc=4)

4.10 "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

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Proceedings of the 43 International Symposium on Agricultural Engineering

[http://apps.webofknowledge.com/full\\_record.do?product=WOS&search\\_mode=GeneralSearch&qid=1&SID=E4iv3pZgZvGEJCQzRG&page=1&doc=6](http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=E4iv3pZgZvGEJCQzRG&page=1&doc=6)

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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  
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[http://apps.webofknowledge.com/full\\_record.do?product=WOS&search\\_mode=GeneralSe arch&qid=18&SID=E4iv3pzgZvGEJCQzRG&page=1&doc=2](http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSe arch&qid=18&SID=E4iv3pzgZvGEJCQzRG&page=1&doc=2)  
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 SOFT COMPUTING APPLICATIONS, (SOFA 2014), VOL 2 Edited by: [Balas, VE](#); [Jain, LC](#); [Kovacevic, B](#)  
 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)  
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[http://apps.webofknowledge.com/full\\_record.do?product=WOS&search\\_mode=GeneralSe arch&qid=18&SID=E4iv3pzgZvGEJCQzRG&page=1&doc=3](http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSe arch&qid=18&SID=E4iv3pzgZvGEJCQzRG&page=1&doc=3)

## 5. Lucrari ISI pending si in BDI

- 5.1 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. <http://www.kod.ftn.uns.ac.rs/#committees>  
<https://www.scopus.com/authid/detail.uri?authorId=57023484500>
- 5.2 Harvesting olive tree using accurate vibrations generated by a robotic system. T Babanatsas1, D O Glavan, R M Babanatis Merce, M Borzan, I Radu1 and S A Maris. KOD 2018 - IOP Conference Series: Materials Science and Engineering.  
<http://www.kod.ftn.uns.ac.rs/#committees>  
<https://www.scopus.com/authid/detail.uri?authorId=57023484500>
- 5.3 Contributions to optimization of storage and transporting industrial goods. Babanatsas, T., Babanatis Merce, R.M., Glăvan, D.O., Glăvan, A.. ICAS2017 - IOP Conference Series: Materials Science and Engineering.  
<https://www.scopus.com/authid/detail.uri?authorId=57023484500>
- 5.4 Modelling in 3D the olive trees cultures in order to establish the forces (interval) needed for automatic harvesting. Babanatsas, T., Glăvan, D.O., Babanatis Merce, R.M., Maris, S.A., ICAS2017 - IOP Conference Series: Materials Science and Engineering.  
<https://www.scopus.com/authid/detail.uri?authorId=57023484500>
- 5.5 Comparative study of tool machinery sliding systems; Comparison between plane and cylindrical basic shapes. Glăvan, D.O., Babanatsas, T., Babanatis Merce, R.M., Glăvan, A., ICAS2017 - IOP Conference Series: Materials Science and Engineering.  
<https://www.scopus.com/authid/detail.uri?authorId=57023484500>
- 5.6 Collaborative tools in higher education: The use of Wikis by industrial and mechanical engineering students Marcelo Gaspar <sup>a1</sup>, Escola Superior de Tecnologia, Instituto Politécnico de Castelo Branco, Castelo Branco 6000-767, Portugal. Luis Celorrio-Barrague <sup>b</sup>, Dpto. de Ingenieria Mecanica. Universidad de La Rioja, Logrono 26006, Spain. Ari Pikkarainen <sup>c</sup>, Department of Mechanical Engineering, Lapland University of Applied Sciences, Rovaniemi 96300, Finland. **Dan Ovidiu Glavan** <sup>d</sup>, "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 ISSN:2547-8818 DOI <https://doi.org/10.18844/prosoc.v4i8.3025> [www.prosoc.eu](http://www.prosoc.eu) Selection and peer review under responsibility of Prof. Dr. Jesus Garcia Laborda, University of Alcala, Spain. ©2017 SciencePark Research, Organization & Counseling <https://sproc.org/ojs/index.php/pntsbs/issue/view/179>

5.7 Study on the influence of supplying compressed air channels and evacuating channels on pneumatical oscillation systems for vibromoulding. D O Glăvan, I Radu, T Babanatsas, R M Babanatis Merce, I Kiss and M C Gaspar ICAS2017 - IOP Conference Series: Materials Science and Engineering. <https://www.scopus.com/authid/detail.uri?authorId=57023484500>  
The case for the wireless ad hoc system for positioning and its use in sports. A. Glavan D O Glăvan, T Babanatsas and R M Babanatis Merce. ANNALS of Faculty Engineering Hunedoara – International Journal of Engineering, Tome XV, 2017, ISSN 1584-2673 <http://annals.fih.upt.ro/pdf-full/2017/ANNALS-2017-2-19.pdf>

5.8 Concept of automating olive oil harvesting system Theoharis Babanatsas, Dan Glavan, Roxana Mihaela Babanatis Merce Acta Technica Corviniensis- Bulletin of Engineering 2016 september ISSN 2067-3809 <http://acta.fih.upt.ro/pdf/archive/ACTA-2016-3.pdf>

5.9 Study of harvesting methods and necessity of olive harvesting robot Dan Glavan, Babanatsas Theoharis, Roxana Mihaela Babanatsas Merce Annals of Faculty of Engineering Hunedoara-International Journal of Engineering 2016 august ISSN 1584-2665 <http://acta.fih.upt.ro/pdf/archive/ACTA-2016-3.pdf>

5.10 THE COMPARED DYNAMIC STUDY OF A NORMAL PARALLEL LATHE FRAME MADE IN THE WELDED VERSION AND CASTED VERSION BABANATSAS THEOHARIS<sup>23</sup>, GLĂVAN DAN OVIDIU<sup>4</sup>, MERCE ROXANA MIHAELA<sup>5</sup> *Annals of the University of Petroșani, Mechanical Engineering, 17 (2015), 5-12* ISSN 1254-9166 Editura Universitas Petrosani <https://www.upet.ro/annals/mechanical/>

5.11 COMPARATIVE RESEARCH BEDFRAME BEHAVIOR ON A LATHE NORMAL VARIATIONS CAUSED MOLDED OR WELDED TO THE REQUESTS OF FORCED VIBRATIONS DAN OVIDIU GLĂVAN<sup>6</sup>, THEOHARIS BABANATSAS<sup>7</sup>, ROXANA MIHAELA MERCE<sup>8</sup> *Annals of the University of Petroșani, Mechanical Engineering, 17 (2015), 5-12* ISSN 1254-9166 Editura Universitas Petrosani <https://www.upet.ro/annals/mechanical/>

5.12 Nonconventional sources of movement used to obtain high level precision manufacturing , Alexandru Popa, Dan Ovidiu Glăvan, 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 809-810 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](http://www.scientific.net/AMM.809-810.75)

5.13 Solution for industrial process optimization , Alexandru Popa, Dan Ovidiu Glăvan, Adina Bucevschi, Doina Mortoiu, "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 809-810 pp1348-1353, D.O.I. 10.4028, Innovative Manufacturing Engineering 2015 ISBN-13:978-3-03835-663-9 [www.scientific.net/AMM.809-810.1348](http://www.scientific.net/AMM.809-810.1348)

5.14 Structural Analysis for Joining Dissimilar Thin Sheets with CMT (Cold Metal Transfer) Process , MUNCUT Elena , PERIANU Aurel, GLAVAN Dan SIMA Gheorghe *Advanced Materials Research* Vol 1111 (2015) pp 49-55 Submitted:2015-01-28 © (2015) Trans Tech Publications, Switzerland Revised:2015-04-02 doi:10.4028/www.scientific.net/AMR.1111.49 Accepted:2015-04-02 Trans Tech Publications Switzerland , *Advanced materials Research*, ISSN 1662-8985, Vol 1111 pp49-55, D.O.I. 10.4028/www.scientific.net/AMR.1111.49, *Structural Integrity of Welded Structures XI*, ISBN-13:978-3-03835-492-5 <https://www.scientific.net/AMR.1111/book> <https://www.scientific.net/AMR.1111.49>

- 5.15 “Optimising joint technology of thin sheets of different composition and its quality management “  
Elena Muncut ,Ramona Lile ,Gheorghe Sima ,Glavan Dan \* Pensee Journal 2014 (ISSN: 0031-4773) Vol. 76, Issue. 5
- 5.16 ' Linear dependence between energy at weldbrazing and thickness of interlayer made of intermetallic compounds for a buffer of 20 and 40 nickel ' Elena Muncut, Gheorghe Sima, Glavan Dan, Radu Ioan Pensee Journal 2014 (ISSN: 0031-4773) Vol. 76, Issue. 4  
„Study of harvesting methods and modeling of production processes of olive oil” Dan Glăvan+1autor  
Annals of the University of Oradea, Fascicle of Management and Tehnological Engineering, Oradea 2008 ISSN 1583-0691 Cotată CNCSIS B+
- 5.17 Copierea în condiția comenzi adaptive” Dan Glăvan+1autor  
Annals of the University of Oradea, Fascicle of Management and Tehnological Engineering, Oradea 2008 ISSN 1583-0691 Cotată CNCSIS B+
- 5.18 „Studiul regimului variabil și a comenzii adaptive” Dan Glăvan+1autor Annals of the University–Petrosani – 2008 ISBN 1842-4449,
- 5.19 „Sisteme de copiere” Dan Glăvan+1autor Annals of the University – Petrosani – 2008 ISBN 1842-4449

## 6. Alte lucrări

- 6.1 Un caz specific de calcul al ghidajelor Glăvan Dan 100% Sesiunea Națională TCM Cluj,1987
- 6.2 Optimizarea unei construcții speciale de ministrung Glăvan Dan Dodon Eugen Conferinta Națională TCM Cluj,1988
- 6.3 „Equipment for vibrosmoothing. Testing the phisical pattern” Glăvan Dan, Radu Ioan Godollo/Hungary  
15-16 January 2002 HUNGARIAN ACADEMY of SCIENCES
- 6.4 „Stress distribution on cylindrical slides in the transversal cross section” Glăvan Dan Radu Ioan Godollo/Hungary  
15-16 January 2002 HUNGARIAN ACADEMY of SCIENCES
- 6.5 „Considerații asupra preciziei arborilor principali la strunguri” Glăvan Dan autor unic Publicată în cadrul Sesiunii de Comunicări Științifice a Universității “Aurel Vlaicu” Arad, mai, 1992, secț. Mașini Unelte
- 6.6 „Posibilități de estimare a rigidității statice a batiurilor de strung” Glăvan Dan, Redac Teodor Publicată în cadrul Sesiunii de Comunicări Științifice a Universității “Aurel Vlaicu” Arad, mai, 1992, secț. Mașini Unelte
- 6.7 „Studiul asupra structurilor de strunguri mici” Glăvan Dan autor unic Publicată în cadrul Sesiunii de Comunicări Științifice a Universității “Aurel Vlaicu” Arad, mai, 1992, secț. Mașini Unelte
- 6.8 „Ghidaje prismatice sau circulare de strunguri” Glăvan Dan publicată în cadrul Sesiunii de Comunicări Științifice a Universității “Aurel Vlaicu” Arad, mai, 1996, Secțiunea I.1
- 6.9 „Studii comparative asupra rigidității statice la strunguri” Glăvan Dan, Radu Ioan, Nitu Adrian publicată în cadrul Sesiunii de Comunicări Științifice a Universității “Aurel Vlaicu” Arad, mai, 1996, Secțiunea I.1
- 6.10 Structuri noi in condițiile copierii si a comenzii adaptive la strunguri Dan Glavan 1999 Universitatea "Politehnica" Timisoara

- 6.11 „Ghidajele circulare și precizia lor” Glăvan Dan, Babanatsas Theoharisautor publicată în cadrul Sesiunii de Comunicări Științifice a Universității “Aurel Vlaicu” Arad, mai, 2000
- 6.12 „Sisteme de comandă în cazul comenzii adaptive și a copierii” Glăvan Dan, Babanatsas Theoharis publicată în cadrul Sesiunii de Comunicări Științifice a Universității “Aurel Vlaicu” Arad, mai, 2000
- 6.13 Condiția de difracție a razelor x Dan Glavan, Rodica Glavan Conferința 30 de Ani de Invatamint Superior de Stat in Arad 2002
- 6.14 Copierea în condițiile comenzii adaptive D Glăvan, I Radu, B Theoharis Sesiunea anuală cu participare internațională IMT Oradea, 2002
- 6.15 Experimentarea regimului variabil și a comenzii adaptive D Glăvan, B Theoharis Sesiunea jubiliara de comunicari stiintifice cu participare internationala “30 ANI DE INVATAMANT SUPERIOR DE STAT IN ARAD” ARAD, 2002
- 6.16 Tehnologia de realizare a ghidajelor circulare D Glăvan, B Theoharis Sesiunea jubiliara de comunicari stiintifice cu participare internationala “30 ANI DE INVATAMANT SUPERIOR DE STAT IN ARAD” ARAD, 2002
- 6.17 Considerații asupra formei ghidajelor la strunguri D Glăvan, I Radu Sesiunea jubiliara de comunicari stiintifice cu participare internationala “30 ANI DE INVATAMANT SUPERIOR DE STAT IN ARAD” ARAD, 2002
- 6.19 Utilizarea sistemelor de comandă în cazul comenzii adaptive și a copierii D Glăvan, I Radu Sesiunea jubiliara de comunicari stiintifice cu participare internationala “30 ANI DE INVATAMANT SUPERIOR DE STAT IN ARAD” ARAD, 2002
- 6.20 Sisteme robotizate în agricultură D Glăvan, B Theoharis Sesiunea jubiliara de comunicari stiintifice cu participare internationala “30 ANI DE INVATAMANT SUPERIOR DE STAT IN ARAD” ARAD, 2002
- 6.21 „Stress distribution on cylindrical slides in the longitudinal cross section” D Glăvan, I Radu Godollo/Hungary 15-16 January 2002 HUNGARIAN ACADEMY of SCIENCES
- 6.22 „Equipment for vibrosmoothing. Testing the phisical pattern” D Glăvan, I Radu Godollo/Hungary 15-16 January 2002 HUNGARIAN ACADEMY of SCIENCES
- 6.23 „Stress distribution on cylindrical slides in the transversal cross section” D Glăvan, I Radu Godollo/Hungary 15-16 January 2002 HUNGARIAN ACADEMY of SCIENCES
- 6.24 „Pneumatical oscilation system with two masses D.N.5. Mathematical pettern.” Glăvan Dan +1 autor Godollo/Hungary 15-16 January 2002 HUNGARIAN ACADEMY of SCIENCES
- 6.25 „Study of line system for vibromoothing device D.N.6-1” Glăvan Dan, Radu Ioan Nitra/Slovacia 29-30.05.2002
- 6.25 „Study of line system for vibromoothing device D.N.6-2” Glăvan Dan Radu Ioan/Slovacia 29-30.05.2002
- 6.26 „Active structure” Glăvan Dan, Radu Ioan Nitra/Slovacia 29-30.05.2002
- 6.27 „Contributions to the concept and manufacture of a dive harvesting robot” D Glăvan, B Theoharis Conferința națională de robotică, Craiova 17-19 oct.2002
- 6.28 „Sisteme de copiere” Glăvan Dan+2 autori SIMPOZIONUL ȘTIINȚIFIC INTERNAȚIONAL “UNIVERSITARIA ROPET 2002” Petroșani 2002
- 6.29 „Studiul regimului variabil și a comenzii adaptive” Glăvan Dan+2 autori SIMPOZIONUL ȘTIINȚIFIC INTERNAȚIONAL “UNIVERSITARIA ROPET 2002” Petroșani 2002
- 6.30 „Condiția de difracție a razelor X” Glăvan Dan+1 autor Sesiunea jubiliara de comunicari stiintifice cu participare internationala “30 ANI DE INVATAMANT SUPERIOR DE STAT IN ARAD” ARAD, 2002
- 6.31 „Command system for lathes with numerical controls” Glăvan Dan, Radu Ioan, Mortoiu Doina, Adrian But Quality and reability of machines 27-28. 05. 2003, NITRA. Slovacia. ISBN 80-8069-195-9

- 6.32 „About the splinters forces at honing proceeding” Glăvan Dan, Radu Ioan, Mortoiu Doina, Adrian But Quality and reability of machines 27-28. 05. 2003, NITRA. Slovacia. ISBN 80-8069-195-9
- 6.33 „A group technology used in motor shields manhining on NC lathes” Glăvan Dan, Radu Ioan, Mortoiu Doina, Adrian But Quality and reability of machines 27-28. 05. 2003, NITRA. Slovacia. ISBN 80-8069-195-9
- 6.34 „Solution of the mould carrier for flexibil moulding lines” Glăvan Dan, Radu Ioan, Mortoiu Doina, Adrian But Quality and reability of machines 27-28. 05. 2003, NITRA. Slovacia. ISBN 80-8069-195-9
- 6.35 „Study of cylindrical slides in transversal cross section” Glăvan Dan, Radu Ioan Quality and reability of machines 26-27. 05. 2004, NITRA. Slovacia. ISBN 80-8069-369-2
- 6.36 „Study of influence supplying channels and eviting channels with compressed air for oscilation system pneumatical with two masses” Glăvan Dan, Radu Ioan, Mortoiu Doina Quality and reability of machines 26-27. 05. 2003, NITRA. Slovacia. . ISBN 80-8069-369-2
- 6.37 „Study of cylindrical slides in longitudinal cross section” Glăvan Dan+1autor Quality and reability of machines 26-27. 05. 2004, NITRA. Slovacia. . ISBN 80-8069-369-2
- 6.38 „Contributions to the concept of an olive harvesting robot” Dan Glăvan, Babanatsas Theoharis Symposium Research and Education in Innovation Era, 3rd Ed., Section Engineering, Arad – 2008 ISSN 1842-9718.
- 6.39 „Harvesting methods and necessity of harvesting robot.” Dan Glăvan, Babanatsas Theoharis Symposium Research and Education in Innovation Era, 3rd Ed., Section Engineering, Arad – 2008 ISSN 1842-9718.
- 6.40 „Considerente noi în cazul comenzii adaptive și a copierii” Dan Glăvan, Babanatis Theoharis Symposium Research and Education in Innovation Era, 3rd Ed., Section Engineering, Arad – 2008 ISSN 1842-9718.
- 6.41 „Studiul asupra formelor ghidajelor” Dan Glăvan, Babanatsas Theoharis Symposium Research and Education in Innovation Era, 3rd Ed., Section Engineering, Arad – 2008 ISSN 1842-9718.
- 6.42 „PROTOTYPING METHODS FOR CONSTRUCTION OF PHYSICAL OBJECTS USING SOLID FREEFORM FABRICATION. „ Dan Glăvan, Babanatis Theoharis, Mortoiu Doina, Gal Lucian Symposium Research and Education in Innovation Era, 3rd Ed., Section Engineering, Arad – 2008 ISSN 1842-9718.
- 6.43 „BUILDING COLOR PHYSICAL MODELS DIRECTLY FROM CAD DATA USING PROTOTYPING METHODS.” Dan Glăvan Babanatis Theoharis, Mortoiu Doina Symposium Research and Education in Innovation Era, 3rd Ed., Section Engineering, Arad – 2008 ISSN 1842-9718.
- 6.44 „STUDY ON IMPROVING PERFORMANCE PETROL SUPERCHARGED ENGINES” Dan GLĂVAN, Babanatis Theoharis, Mortoiu Doina, Igret Sorin International Symposium Research and Education in Innovation Era, 4 th Ed., Section Engineering – 2012
- 6.45 „PROTOTYPING METHODS FOR CONSTRUCTION OF PHYSICAL OBJECTS” Glăvan Dan, Babanatsas Theoharis, Mortoiu Doina International Symposium Research and Education in Innovation Era, 4 th Ed., Section Engineering – 2012
- 6.46 „ALTERNATIV METHODES TO BUILDING PHYSICAL MODELS USING PROTOTYPING METHODS” Glăvan Dan, Babanatsas Theoharis, Mortoiu Doina International Symposium Research and Education in Innovation Era, 4 th Ed., Section Engineering – 2012
- 6.47 „BUILDING PHYSICAL MODELS. 3D PRINTING VS CONVENTIONAL TECHNOLOGIES” Glăvan Dan, Babanatis Theoharis, Nortoiu Doina Symposium Research and Education in Innovation Era, 4 th Ed., Section Engineering – 2012
- 6.48 „CORRECTION IN REAL TIME USING MAGNETO-STRICTIVE ENGINES IN MANUFACTURING ” Glavan Dan Theoharis, Babanatsas; Babanatis, Merce, Roxana, Mihaela ISREIE UAV 2014



- 6.49 „SENSORIAL SYSTEM FOR PROCESS” Glavan Dan Theoharis, Babanatsas; Babanatis, Merce, Roxana, Mihaela ISREIE UAV 2014
- 6.50 SIMULATE OF SHAKING FORCES ON 3D OLIVE TREE MODEL GLĂVAN Dan, BABANATIS MERCE Roxana Mihaela, BABANATSAS Theoharis International Conference ISREE (2016) University „Aurel Vlaicu” of ARAD, Mechanical Engineering
- 6.51 STUDY OF AN AUTOMATIC SELECTION SYSTEM OF OLIVES GLĂVAN Dan, BABANATIS MERCE Roxana Mihaela, BABANATSAS Theoharis International Conference ISREE (2016) University „Aurel Vlaicu” of ARAD, Mechanical Engineering
- 6.52 AD HOC SYSTEM FOR POSITIONING IN SPORTS ALTERNATIVE SOLUTIONS GLĂVAN Dan, BABANATIS MERCE Roxana Mihaela, BABANATSAS Theoharis International Conference ISREE (2016) University „Aurel Vlaicu” of ARAD, Mechanical Engineering
- 6.53 STUDY OF MOLDED OR WELDED BEDFRAME BEHAVIOR ON A LATHE GLĂVAN Dan, BABANATIS MERCE Roxana Mihaela, BABANATSAS Theoharis International Conference ISREE (2016) University „Aurel Vlaicu” of ARAD, Mechanical Engineering
- 6.54 STUDY OF AN AUTOMATIC SELECTION SYSTEM OF OLIVES GLĂVAN Dan, BABANATIS MERCE Roxana Mihaela, BABANATSAS Theoharis International Conference ISREE (2016) University „Aurel Vlaicu” of ARAD, Mechanical Engineering
- 6.55 PRECISE POSITIONING OF AUTONOMOUS AGRICULTURAL VEHICLES USING AD HOC SYSTEM Dan GLAVAN; Theoharis BABANATSAS; Roxana Mihaela BABANATIS MERCE; Monica SZABO International Conference ISREE (2018) University „Aurel Vlaicu” of ARAD, Mechanical Engineering
- 6.56 HEATING AND LIGHTING CONTROL IN OLIVE DEPOSITE Dan GLAVAN ; Roxana Mihaela BABANATIS MERCE ; Theoharis BABANATSAS ; Rodica Adriana GLAVAN International Conference ISREE (2018) University „Aurel Vlaicu” of ARAD, Mechanical Engineering
- 6.58 SIMULATION OF NATURAL VENTILATION OF A AGRICULTURAL WAREHOUSE BUILDING MERCE Roxana, Mihaela, BABANATIS, GLAVAN Dan, BABANATSAS Theoharis, GLAVAN Rodica, Adriana, SZABO Monica International Conference ISREE (2018) University „Aurel Vlaicu” of ARAD, Mechanical Engineering
- 6.59 3D MODELING OF THE SHAKING FORCES OF OLIVE TREE Theoharis BABANATSAS; Dan GLAVAN; Roxana Mihaela BABANATIS MERCE; Monica SZABO; Andrei KOMJATY; Adriana MOTICA International Conference ISREE (2018) University „Aurel Vlaicu” of ARAD, Mechanical Engineering

## 7. Brevete de inventie

### 7.1 [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=F36JuiPaicURurpkM9P&viewType=fullRecord&doc=27&page=3](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=F36JuiPaicURurpkM9P&viewType=fullRecord&doc=27&page=3)

### 7.2 [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/full\\_record.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](http://apps.webofknowledge.com/full_record.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)

### 7.3 [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/full\\_record.do?colName=DIIDW&recordID=1993173482&lo](http://apps.webofknowledge.com/full_record.do?colName=DIIDW&recordID=1993173482&lo)

[g\\_event=no&search\\_mode=GeneralSearch&qid=14&log\\_event=yes&product=UA&SID=F36JuiPaicURurpkM9P&viewType=fullRecord&doc=29&page=3](http://g_event=no&search_mode=GeneralSearch&qid=14&log_event=yes&product=UA&SID=F36JuiPaicURurpkM9P&viewType=fullRecord&doc=29&page=3)

7.4 Brevet inovatie MIET Dispozitiv de antrenare a hirtiei pentru imprimante matriceale Glavan Dan

## 8. Contracte de cercetare

### Director

8.1 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 RON=10.000 RON aprox 12.500 EURO

8.2 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 RON=10.000 RON aprox 12.599 EURO

8.3 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 RON=1.450 RON aprox 1.800 EURO

8.4 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 RON=1.250 RON aprox 1.600 EURO

8.5 Contract nr 143-2005 Minifreză tip școală cu CNC beneficiar S.C. Aris Arad S.A. , 2 ani , valoare 13.599.000 RON=1.359,9 RON aprox 1.700 EURO

### Membru în echipă

1, POCU/379/6/21, *EDUBUSINESS* "Invata safii Antreprenor pentru Viitor! Imbunafirea calitatii ofertelor educative si a competentelor cadrelor didactice in domeniul antreprenoriatului in vederea cresterii accesului participantilor la invatamant tertiar in conditii de echitate si eficienta sociala si promovarea unei culturi educationale antreprenoriale in domeniile competitive de interes regional" Responsabil grup tinta studenti expert intre 5 - 10 ani COD SMIS 125150

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