

LIST OF WORKS

1. Abilitat in inginerie industrial 2023
2. Doctorat :1999 Universitatea Politehnica Timisoara- Masini unelte si sisteme integrate de masini unelteDOMENIUL: **INGINERIE INDUSTRIALA Comisia 16 CNATDCU** (grila de indeplinire a standardelor minimale)Titlul tezei:
"STRUCTURI NOI ÎN CONDIȚIILE COPIERII ȘI A COMENZII ADAPTIVE LA STRUNGURI" susținută în 24 iunie 1999
3. Books
 - 3.1 Materiale avansate in design Editura Universității „Aurel Vlaicu”Arad Nr CNCSIS 218 2018 ISBN 978-073-752-785-1
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 - 3.2 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
 - 3.3 Welcome in the world of 0 and 1 in cutting processing machines The book of CAD/CAM engineer Editura Universitatii „Aurel Vlaicu”Arad,2016, Nr CNCSIS 218 ISBN> 978-973-752-771-4, **Dan Ovidiu Glavan**, Babanatsas Theoharis 148 pag (limba engleza)
 - 3.4 Componente ale Mașinilor-unelte Editura Universitatii „Aurel Vlaicu”Arad Nr CNCSIS 218 ,2014, ISBN 978-973-752-709-7, **Glăvan Dan Ovidiu** 284 pag
 - 3.5 Compunerea și funcționarea Mașinilor- unelte Editura Universitatii „Aurel Vlaicu”Arad Nr CNCSIS 218,2014, ISBN978-973-752-710-3 , **Glăvan Dan Ovidiu** 260 pag
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 - 4.5 Mașini-unelte, curs, 1996 Editura Universitatii „Aurel Vlaicu”Arad, Nr CNCSIS 218 **Glăvan Dan Ovidiu**, 86 pag
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- 5.8 Tool machinery vibrations frames comparison concerning welded or moulded manufacturing structures. manufacturing structures. **Glavan, D.O.**, Babanatsas, T. 2017 MATEC Web of Conferences
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- 5.9 3D modeling of olive tree and simulating the harvesting forces. **Glavan, D.O.**, Babanatsas, T., Babanatis Merce, R.M.. 2017 MATEC Web of Conferences
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- 5.10 "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
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- 6.1 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>
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- 6.4 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, S.A., ICAS2017 - IOP Conference Series: Materials Science and Engineering.
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6.7 Study on the influence of supplying compressed air channels and evacuating channels on pneumatical oscillation systems for vibromooching. 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>

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6.8 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>

6.9 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>

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7. Other papers or conferences

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7.2 Optimizarea unei construcții speciale de ministrung Glăvan Dan Dodon Eugen Conferinta Națională TCM Cluj,1988

7.3 „Equipment for vibrosmoothing. Testing the phisical pattern” Glăvan Dan, Radu Ioan Godollo/Hungary

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7.5 „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

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7.11 „Ghidajele circulare și precizia lor” Glăvan Dan, Babanatsas Theoharisautor publicată în cadrul Sesiunii de Comunicări Științifice a Universității “Aurel Vlaicu” Arad,mai, 2000

7.12 „Sisteme de comandă în cazul comenzii adaptive și a copierii” Glăvan Dan,

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- 7.14 Copierea în condițiile comenzii adaptive D Glăvan, I Radu, B Theoharis Sesiunea anuală cu participare internațională IMT Oradea, 2002
- 7.15 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
- 7.16 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
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- 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
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- 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.
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- 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.
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- 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
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- 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 GLAVAN 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 GLAVAN 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 GLAVAN 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 GLAVAN 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 GLAVAN 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

8. Inventions

8.1 [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&og_event=no&search_mode=GeneralSearch&qid=14&log_event=yes&product=UA&SID=F36JuiPaicURurpkM9P&viewType=fullRecord&doc=27&page=3;

8.2 [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&og_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&og_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=1993173482&og_event=no&search_mode=GeneralSearch&qid=14&log_event=yes&product=UA&SID=F36JuiPaicURurpkM9P&viewType=fullRecord&doc=29&page=3;](http://apps.webofknowledge.com/full_record.do?colName=DIIDW&recordID=1993173482&og_event=no&search_mode=GeneralSearch&qid=14&log_event=yes&product=UA&SID=F36JuiPaicURurpkM9P&viewType=fullRecord&doc=29&page=3)

8.3 [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&og_event=no&search_mode=GeneralSearch&qid=14&log_event=yes&product=UA&SID=F36JuiPaicURurpkM9P&viewType=fullRecord&doc=29&page=3)

http://apps.webofknowledge.com/full_record.do?colName=DIIDW&recordID=1993173482&og_event=no&search_mode=GeneralSearch&qid=14&log_event=yes&product=UA&SID=F36JuiPaicURurpkM9P&viewType=fullRecord&doc=29&page=3

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

9. Research contracts

Director

9.1 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 EURO

9.2 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 EURO

9.3 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 EURO

9.4 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 EURO

9.5 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 EURO

Team member

1, POCU/379/6/21, *EDUBUSINESS* "Invata sa fii Antreprenor pentru Viitor! Imbunatatirea 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: Instalație demonstrativă pentru o tehnologie inovativă de topire a cânepii
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