

COMPLETE LIST OF WORKS

a. List of maximum 10 works considered by the candidate as being the most representative

1. **Ciupan E.**, Ciupan C., Câmpean E.M., Stelea L., Policsek C.E., Lungu F., Jucan D.C. *Opportunities of Sustainable Development of the Industry of Upholstered Furniture in Romania. A Case Study*. Sustainability. 2018; 10(9). DOI:10.3390/su10093356. WOS:000446770200399.
ISI Thomson Reuters Journal, Factor impact: 2.075 (Q2).
2. **Ciupan E.**, Lungu F., Ciupan C. *ANN Training Method with a Small Number of Examples Used for Robots Control*. International Journal of Computers, Communications & Control. 2015; 10(5): 643-653. DOI: 10.15837/ijccc.2015.5.2027, WOS:000358340900003.
ISI Thomson Reuters Journal, Factor impact: 0.739.
3. **Ciupan E.**, Lungu F., Ciupan C. *ANN Method for Control of Robots to Avoid Obstacles*. International Journal of Computers, Communications & Control. 2014; 9(5): 539-554. DOI: 10.15837/ijccc.2014.5.813, WOS:000340232400002
ISI Thomson Reuters Journal, Factor impact: 0.441.
4. **Ciupan E.**, Lăzărescu L., Filip I., Ciupan C., Câmpean E., Cionca I., Pop E., *Characterization of a Thermoforming Composite Material Made from Hemp Fibers and Polypropylene*. The 13th Modern Technologies in Manufacturing, Cluj-Napoca, 12-13.10.2017, MATEC Web of Conferences, Volume 137, pp. 30, Editor EDP Sciences. DOI: 10.1051/mateconf/201713708003, WOS:000426604200079.
5. **Ciupan E.**, Cionca I., Ciupan M., Câmpean E. *The Optimization of Costs for the Thermoformed Frames from Natural Fiber Composites*. Acta Technica Napocensis, Series: Applied Mathematics, Mechanics, and Engineering, Vol. 65, Issue Special I, February 202, pp. 57-64.
<https://atna-mam.utcluj.ro/index.php/Acta/article/view/1735/1396>.
WOS:000773188500006
6. **Ciupan E.** *A Study Regarding the Possibility of Optimizing the Supply Batch Using Artificial Neural Networks*. 24th DAAAM International Symposium on Intelligent Manufacturing and Automation, 2013. Procedia Engineering. 2014; 69: 141-149. DOI: 10.1016/j.proeng.2014.02.214. WOS:000335859300019.
7. **Ciupan E.** *Case Study Regarding the Assessment of a Number of Patent Application*. Review of Management and Economic Engineering, 2018. 17(4): 775-784, ISSN 1583-624X.
8. **Ciupan E.** *The Methodology of Submission of a National Patent Application*. Review of Management and Economic Engineering, 2018. 17(4): 751-764, ISSN 1583-624X.

9. **Ciupan E.**, Bojan I. *Own Software Used in the Modelling of an Economic Supplying Activity*. Proceeding of the 6th International Conference on the Management of Technological Changes, Alexandroupolis, Greece 2009, WOS:000273225100053.
10. **Ciupan E.**, Ciupan, M., Jucan, D.C. *Determining the Mechanical Properties of a New Composite Material using Artificial Neural Networks*. International Journal of Engineering Trends and Technology (IJETT), ISSN: 2231 – 5381, Vol. 66, No. 2, December 2018, pp. 103-108, DOI: 10.14445/22315381/IJETT-V66P218

b. Doctoral thesis

Title: *Integrated Control of Systems Using Open Control Platforms*

Field: Industrial Engineering

Supervisor: Prof.dr.eng. Liviu Morar

Higher education institution organizing the doctoral program: Technical University of Cluj-Napoca

Date of public presentation: 15th of July 2008.

Date of conferral of the Doctoral degree: MECT Order no. 5837/4th of November 2008.

c. Patents

1. Patent RO 127706/30.05.2014. Aștilean A., Folea S., Avram C., Hulea M., Miron R. F., Leția Ș.T., **Ciupan E.** *System and Method for Securing the Communication between Fixed and Mobile Devices*.
2. Patent RO 125210/30.05.2016. **Ciupan E.**, Morar L., Ciupan C. *Method for Robot Instruction in View of Obstacle Avoidance*.
3. Patent RO 125211/30.05.2016. **Ciupan E.**, Morar L., Ciupan C. *Method for Control of Industrial Robots*.
4. Patent RO 131458/2019. Ciupan C., **Ciupan E.**, Petruș R. *Amplification System for High Pressures*.
5. Patent RO 129731/30.03.2020. Ciupan C., Ciupan M., **Ciupan E.** *Method for Production of Mechanical Work and Rotary Heat Engine for Applying Said Method*.
6. Patent application A10065/12.10.2017. Ciupan C., Filip I., **Ciupan E.**, Steopan M., Pop E.S., Câmpean E.M., Cionca I., Hereș V. *Method of Designing the Parts of Upholstered Furniture Structure*.
7. Patent application A10077/03.12.2017. Ciupan C., Filip I., Hereș V., Cionca I., Gherghel C.R., Raț F., **Ciupan E.** *Sofa Side Made by Thermoforming and Process for Manufacturing the Same*.
8. Patent application A/10063/18.11.2021. Ciupan C., Filip I., **Ciupan E.**, Ciupan M. *Method of Selecting the Thermoplast Composite Material for Feeding an Automated Thermoforming Production Line*.
9. Patent application RO127449 (A2)/30.05.2012. **Ciupan E.** *Method for Optimizing the Order Activity*.

10. Patent application EP 2762675 (A1)/06.08.2014. Ciupan C., Ciupan M., **Ciupan E.** *Internal Combustion Rotary Engine.*

d. Books and book chapters

Books

1. **Emilia Ciupan.** *Industrial Design and Economic Engineering.* UTPRESS Publishing House, 2020, ISBN 978-606-737-430-8, 264 pages.
2. **Emilia Ciupan.** *Applied Informatics. Relational Databases.* UTPRESS Publishing House, 2014, ISBN 978-973-662-946-4, 340 pages.
3. Cornel Ciupan, **Emilia Ciupan.** *Intellectual Property. Patents.* UTPRESS Publishing House, 2014, ISBN 978-973-662-945-7, 618 pages.
4. **Emilia Ciupan.** *Neural Networks. Theory and Applications.* UTPRESS Publishing House, Cluj-Napoca, 2010, ISBN 978-973-662-599-2, 168 pages.
5. **Emilia Ciupan.** *Fundamentals of Computer-Aided Design. Relational Databases.* UTPRESS Publishing House, Cluj-Napoca, 2008, ISBN 978-973-662-417-9, 178 pages.

Book chapters

6. Abrudan C. I., **Ciupan E.**, Cristea C., Jucan D.C., Megyesi A., Oțel C. C. (Coordinators: Lungu F., Abrudan I.). *The Engineering of the Production Systems. Laboratory Guide.* Todesk Publishing House, Cluj-Napoca 2013, ISBN 978-605-595-025-2, 220 pages.
7. Abrudan C. I., **Ciupan E.**, Cristea C., Jucan D.C., Megyesi A., Oțel C. C. (Coordinators: Lungu F., Abrudan I.). *The Management of Operations. Laboratory Guide.* Todesk Publishing House, Cluj-Napoca 2013, ISBN 978-606-595-026-9, 158 pages.

e. In extenso articles/studies published in the main internationally indexed databases

1. **Ciupan E.**, Cionca I., Ciupan M., Câmpean E. *The Optimization of Costs for the Thermoformed Frames From Natural Fiber composites.* Acta Technica Napocensis, Series: Applied Mathematics, Mechanics, and Engineering, Vol. 65, Issue Special I, February 2022, pp. 57-64, <https://atnamam.utcluj.ro/index.php/Acta/article/view/1735/1396>, WOS:000773188500006.
2. Ciupan M., **Ciupan E.**, Cionca I., Heres V., Muresan C. *Assessing the Influence of Mechanical Properties of a Polypropylene and Hemp Composite on the Design of Upholstered Furniture.* Acta Technica Napocensis, Series: Applied Mathematics, Mechanics, and Engineering, Vol. 65, Issue I, March 2022, pp. 91-96, <https://atnamam.utcluj.ro/index.php/Acta/article/view/1787/1431>, WOS:000832312500013.

3. **Ciupan E.**, Ciupan C., Lungu F. *The Cost Estimation of a Water Jet Cutting Process Using Artificial Neural Networks*. Nonconventional Technologies Review, Vol XXII, Nr. 4/2018, pp. 26-30, December 2018, <https://www.proquest.com/docview/2171612344?pq-origsite=gscholar&fromopenview=true>.
4. Ciupan C., **Ciupan E.** *Redesigning the Resistance Structure of a Sofa Side to Be Made of Composite Material*. Nonconventional Technologies Review, Vol XXII, Nr. 4/2018, pp. 31-35, December 2018, <https://www.proquest.com/docview/2171612779/9EEC1B976A6B456DPQ/7?accountid=87692>
5. **Ciupan E.** *Case Study Regarding the Assessment of a Number of Patent Application*. Review of Management and Economic Engineering, 2018. 17(4): 775-784, ISSN 1583-624X.
6. **Ciupan E.** *The Methodology of Submission of a National Patent Application*. Review of Management and Economic Engineering, 2018. 17(4): 751-764, ISSN 1583-624X.
7. **Ciupan E.**, Ciupan M. Jucan D. C. *Determining the Mechanical Properties of a New Composite Material using Artificial Neural Networks*. International Journal of Engineering Trends and Technology (IJETT), ISSN: 2231 – 5381, Vol. 66, No. 2, December 2018, pp. 103-108, <https://arxiv.org/ftp/arxiv/papers/1901/1901.10050.pdf>.
8. Ciupan C., Steopan M., Pop E., Campean E., Filip I., **Ciupan E.** *Comparative Analysis of Different Ribs Used to Rigidize the Resistance Structure of a Sofa Side Made of Composite Materials Based on Vegetable Fibers*. Acta Tehnica Napocensis, Applied Mathematics, Mechanics and Engineering, Vol. 61, No. 1 (2018), pp. 39-44, ISSN: 1221-5872, WOS:000428903500006.
9. Ciupan C., Comsa D. S., **Ciupan E.** *Simulating the Thermoforming Process of a Box for Upholstered Furniture*. 2018 International Conference on Production Research – Africa, Europe and Middle East, 5th International Conference on Quality and Innovation in Engineering and Management, July 25-26, 2018, Cluj-Napoca, Romania, Revista Acta Technica Napocensis, Series: Applied Mathematics, Mechanics and Engineering, Vol 61, No 3, Special Issue, September 2018, pp. 21-28. ISSN: 1221-5872, WOS:000451702200003.
10. Ciupan M., Popa M., Sosa I.P., Contiu G., **Ciupan E.** *Development and Testing of Mineral Casting for Use in Structural Elements and Mold Making*. 2018 International Conference on Production Research – Africa, Europe and Middle East, 5th International Conference on Quality and Innovation in Engineering and Management, July 25-26, 2018, Cluj-Napoca, Romania, Revista Acta Technica Napocensis, Series: Applied Mathematics, Mechanics and Engineering, Vol 61, No 3, Special Issue, September 2018, pp. 29-34, WOS:000451702200004.
11. **Ciupan E.**, Ciupan C., Câmpean E.M., Stelea L., Policsek C.E., Lungu F., Jucan D.C. *Opportunities of Sustainable Development of the Industry of Upholstered Furniture in Romania. A Case Study*. Sustainability. 2018; 10(9). [DOI:10.3390/su10093356](https://doi.org/10.3390/su10093356), WOS:000446770200399.
12. **Ciupan E.** Lungu F., Ciupan C. *ANN Training Method With a Small Number of Examples Used for Robots Control*. International Journal of Computers, Communications & Control. 2015; 10(5): 643-653. DOI: 10.15837/ijccc.2015.5.2027, WOS:000358340900003.

13. **Ciupan E.**, Lungu F., Ciupan C. *ANN Method for Control of Robots to Avoid Obstacles*. International Journal of Computers, Communications & Control. 2014; 9(5): 539-554. DOI: 10.15837/ijccc.2014.5.813, WOS:000340232400002.
14. Petruș R., **Ciupan E.** *The Influence of Water Compressibility of The Efficiency of a New Solution for Water Jet Cutting Machine*. Acta Technica Napocensis, Series: Applied Mathematics and Mechanics, Vol. 57, Issue II, June 2014, pp. 277-280, <https://atna-mam.utcluj.ro/index.php/Acta/article/view/21>.
15. Ferent-Pipaș S., Dindelegan M., Pădurean B., **Ciupan E.**, Ciupan C. *Cost Calculator for Waterjet, Laser and Plasma Machining*. Acta Technica Napocensis, Series: Applied Mathematics and Mechanics, Vol. 57, Issue I, March 2014, pp. 73-76, <https://atna-mam.utcluj.ro/index.php/Acta/article/view/183>
16. Ciupan C., **Ciupan E.**, Ferent-Pipas S. *Neural Model for Abrasive Water Jet Cutting Machine*. Nonconventional Technologies Review, June 2013, pp. 25-29, ISSN 1454-3087.

f. In extenso papers published in conference proceedings

1. Ciupan C., **Ciupan E.**, Pop E. *Algorithm for Designing a Hydraulic Scissor Lifting Platform*. MATEC Web Conf., 2019 Modern Technologies in Manufacturing (MTeM 2019), Volume 299, Article Number 03012, DOI:10.1051/mateconf/201929905009, WOS:000568128200035.
2. Ciupan M., Popa M., **Ciupan E.** *Method and Program for the Interpolation of Experimental Results of Determining the Mechanical Properties of Mineral Composites for Modern Machine-Tools*. MATEC Web Conf., 2019 Modern Technologies in Manufacturing (MTeM 2019), Volume 299, Article Number 05009, DOI:10.1051/mateconf/201929903012, WOS:000568128200058.
3. Steopan M., Pop E., **Ciupan E.**, Filip I. *Numerical Research on a Hemp Reinforced Composite Material Sofa Side Model*. The XXII International Conference “INVENTICA 2018”, June 28th-29th, 2018, Iasi, Romania, pp. 1-7.
4. Ciupan M., **Ciupan E.** *New Solution for Waterjet Cutting and Milling Machine*. Proceedings of 2018 International Conference on Hydraulics and Pneumatics – HERVEX November 7-9, Băile Govora, Romania, ISSN 1454 – 8003, pp. 38-44.
5. Ciupan C., **Ciupan E.**, *A Case Study Related to Counterfeiting a Patented Product*. Proceedings of 2018 International Conference on Hydraulics and Pneumatics – HERVEX November 7-9, Băile Govora, Romania, ISSN 1454 – 8003, pp. 284-289.
6. Ciupan C., Pop E., Filip I., **Ciupan E.**, Câmpean E., Cionca I., Hereș V. *A New Approach of the Design Process for Replacing Wooden Parts of Furniture*. The 13th Modern Technologies in Manufacturing, Cluj-Napoca, 12-13.10.2017, MATEC Web of Conferences, Volume 137, pp. 8, Editor EDP Sciences, ISBN:978-2-7598-9027-9, ISSN: 2261-236X. DOI: 10.1051/mateconf/201713706002, WOS:000426604200066.
7. **Ciupan E.**, Lăzărescu L., Filip I., Ciupan C., Câmpean E., Cionca I., Pop E. *Characterization of a Thermoforming Composite Material Made from Hemp Fibers and Polypropylene*. The 13th Modern Technologies in Manufacturing, Cluj-Napoca,

12-13.10.2017, MATEC Web of Conferences, Volume 137, pp. 30, Editor EDP Sciences, DOI: 10.1051/mateconf/201713708003, WOS:000426604200079.

8. **Ciupan E.**, Lungu F., Ciupan C., Pop E. *A New Approach to the Design Process of Innovative Products*. Canadian International Journal of Science and Technology, Vol. 8, January 2017, pp. 7-18, ISSN 2356-9085.
9. Filip I., **Ciupan E.**, Cionca I., Ciupan M., Pop E., Câmpean E., Hereş V, Rat F. *Furniture Parts Made of Composite Materials Based on Vegetable Fibers*. The 21th International Exhibition of Inventics INVENTICA and International Conference of Inventics, Iaşi, 28-30.06.2017, Proceedings of the XXIth International Scientific Conference "INVENTICA 2017", pp. 38 – 45, 2017, Editura Performantica, ISSN 1844-7880.
10. Ciupan C., **Ciupan E.** *A Case Study Related to the Repair or Reconstruction of a Patented Product*. 2016 International Conference on Production Research, Regional Conference Africa, Europe and the Middle East and 4th International Conference on Quality and Innovation in Engineering and Management, July 25th-30th, 2016, Cluj-Napoca, Romania, ICPR Proceedings, pp. 131-136, ISBN 978-606-737-180-2, WOS:000436122900022.
11. Ciupan M., **Ciupan E.** *Comparison of Machine-Tool Structures Made of Cast Iron or Mineral Casting*. 2016 International Conference on Production Research, Regional Conference Africa, Europe and the Middle East and 4th International Conference on Quality and Innovation in Engineering and Management, July 25th-30th, 2016, Cluj-Napoca, Romania, ICPR Proceedings, pp. 309-316, ISBN 978-606-737-180-2, WOS:000436122900055.
12. **Ciupan E.**, Ciupan M. *Thermo-mechanical Analysis of a Mountain Bike Disc Brake Rotor*. 2014 International Conference on Production Research, Regional Conference Africa, Europe and the Middle East and 3rd International Conference on Quality and Innovation in Engineering and Management, July 1-5, 2014, Cluj-Napoca, Romania, pp. 88-92, WOS:000346410700015.
13. Ciupan C., **Ciupan E.**, Lungu F. *Adapting Your Teaching of IP Rights to the Audience*. 2014 International Conference on Production Research, Regional Conference Africa, Europe and the Middle East and 3rd International Conference on Quality and Innovation in Engineering and Management, July 1-5, 2014, Cluj-Napoca, Romania, pp. 84-88, WOS:000346410700016.
14. Ciupan C., **Ciupan E.** *Teaching Different Groups of Learners Intellectual Property*. The 9th International Symposium Cucuteni 5000 Redivivus, „Exact and less Exact Sciences”, 24-26 Oct. 2014, Chişinău, ISSN 978-9975-63-3437, pp. 143-150.
15. **Ciupan E.** *A Study Regarding the Possibility of Optimizing the Supply Batch Using Artificial Neural Networks*. 24th DAAAM International Symposium on Intelligent Manufacturing and Automation, 2013. Procedia Engineering. 2014; 69: 141-149. DOI: 10.1016/j.proeng.2014.02.214. WOS:000335859300019.
16. Ciupan C., **Ciupan E.** *Development of Creativity Among Engineering Students*. Review of Science and Teaching Methods „Tehnocopia”, Nr. 2(9), 2013, Chişinău, ISSN 1857-4904, pp. 5-8.
17. **Ciupan E.** *Applications of the Neural Calculation in Engineering*. Review of Science and Teaching Methods „Tehnocopia”, Nr. 2(9), 2013, Chişinău, ISSN 1857-4904, pp. 23-29.

18. **Ciupan E.** *Modelling a Handling Robot to Avoid an Obstacle.* 2012 IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR 2012), Theta 18th edition, pp. 100-106, ISBN 978-1-4673-0703-1, WOS:000400227100071.
19. Ciupan C., Steopan M., **Ciupan E.** *The Influence of the Load on The Behavior of the Electromechanical Variator.* 2012 IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR 2012), Theta 18th edition, pp. 266-271, ISBN 978-1-4673-0703-1, WOS:000400227100048.
20. Ciupan C., **Ciupan E.** *From Tools to Machine Tools.* The International Symposium „CUCUTENI–5000 Redivivus: Exact and Less Exact Sciences”- The 7th edition, Chişinău 2012, pp. 43-50.
21. **Ciupan E.**, Ciupan C., Petruş R. *The Control of the Abrasive Water Jet Processing Using a Neuronal Network Model.* Proceedings of 2012 International Salon of Hydraulics and Pneumatics – HERVEX, 7 - 9 November, Calimanesti-Caciulata, Romania, pp. 305-308, ISSN 1454 – 8003.
22. Petruş R., Ciupan C., **Ciupan E.** *A New Solution for Water Jet Cutting Machine Tool.* Proceedings of 2012 International Salon of Hydraulics and Pneumatics – HERVEX, 7 - 9 November, Calimanesti-Caciulata, Romania, pp. 315-319, ISSN 1454 – 8003.
23. **Ciupan E.** *A Model for the Management of a Supply Activity Based on Statistical Data.* 1st International Conference on Quality and Innovation in Engineering and Management, pp. 249-252, ISBN 978-973-662-614-2, 2011, WOS:000312344600055.
24. **Ciupan E.** *Training Method of A Handling Robot to Avoid an Obstacle.* THE 15-th International Conference „INVENTICA 2011”, pp. 453-460, ISBN 1844-7880.
25. **Ciupan E.** *A Model for the Kinematical Analysis of a Six Degrees of Freedom Parallel Robot.* Proceeding of 2010 IEEE International Conference on Automation, Quality and Testing, Robotics, pp. 261-264, ISBN 978-1-4244-6722-8, WOS:000419281500020.
26. **Ciupan E.** *Modelling Handling Robots using Neural Networks.* The 14-th International Conference „INVENTICA 2010”, pp. 395-400, ISBN 978-973-730-719-4.
27. **Ciupan E.**, Bojan I. *Own Software Used in the Modelling of An Economic Supplying Activity.* Proceeding of the 6th International Conference on the Management of Technological Changes, Alexandroupolis, Greece 2009, WOS:000273225100053.
28. **Ciupan E.** *The Artificial Neural Network – a Modelling Tool in Engineering.* Annals of MTeM for 2009 & Proceedings of the 9th International Conference Modern Technologies in Manufacturing, pp. 49-52, ISBN 973-7937-07-04.
29. **Ciupan E.** *Software Designed for Modeling and Simulating Using Three-Layer Neural Network.* Annals of DAAAM for 2008 & Proceedings of the 19th International DAAAM Symposium, pp. 138-139, ISSN 1726-9679, WOS:000262860100137.
30. **Ciupan E.**, Itul T., Morar L., Ciupan C. *A Model for the Kinematical Analysis of a Three Degrees of Freedom Mechanism.* Anals of DAAAM for 2008 & Proceedings of the 19th International DAAAM Symposium, pp. 139-140, ISSN 1726-9679, WOS:000262860100138.

31. Ciupan C., Morar L., **Ciupan E.** *Innovative System with Abrasive Water Jet*. Annals of DAAAM for 2008 & Proceedings of the 19th International DAAAM Symposium, pp. 137-138, ISSN 1726-9679, WOS:000262860100136.
32. **Ciupan E.**, Morar L., Ciupan C. *Program to be Used for the Instruction of Perceptron Multi-layered Neural Networks*. The 8th Technical and Scientific Conference “Professor D. Pavel – founder of the Romanian Hydroenergetics”, Sebeş, 2008, pp. 421-428.
33. **Ciupan E.**, Morar L., Ciupan C. *Comparative Analysis of the Instruction of a Three-Layer Neural Network Using the Program MLP and the program MATLAB*. The 8th Technical and Scientific Conference “Professor D. Pavel – founder of the Romanian Hydroenergetics”, Sebeş, 2008, pp. 413-420.
34. Ciupan C., **Ciupan E.** *Simple Methods and Means for Comple Measurements*. The 3rd edition of the Symposium "Cucuteni 5000 redivivus: Exact and Less Exact Sciences", Chişinău 2008, pp. 194-199.
35. **Ciupan E.**, Morar L., Ciupan C. *A Model of Inventory Management Using Neural Network*. Annals of DAAAM for 2007 & Proceedings of the 18th International DAAAM Symposium “Intelligent Manufacturing and automatisaion”, pp. 157-158, ISSN 1726-9679, WOS:000252067400079.
36. Morar L., **Ciupan E.** *Model for Management fo the Supply Batch*. Review of Management and Economic Engineering, 2006/vol. 5/nr. 4(20), pp. 177-182.
37. **Ciupan E.** *Simulation Program Using Three-Layer Neural Networks*. The 6th Technical and Scientific Conference “Professor D. Pavel – founder of the Romanian Hydroenergetics”, Sebeş, 2006, pp. 165-172.
38. Ciupan C., Ispas V., Damian M., **Ciupan E.**, Marcu C. *Driving System for a Simulation Platform Used for a Transport Vehicle*. Annals of the Oradea University, Fascicle of Management and Technological Engineering, Vol IV/2005, CD-ROM Edition ISSN 1583-0691, pp. 67-70.
39. **Ciupan E.** *Model of Inventory for a Distribution Company*. Annals of the Oradea University, Fascicle of Management and Technological Engineering, Vol IV/2005, CD-ROM Edition, ISSN 1583-0691, pp. 172-175.
40. **Ciupan E.** *A Model of Inventory Management*. Proceedings of 7th International Conference MTeM 2005, Cluj-Napoca, 2005, ISBN 973-9087-83-3, pp. 145-148.
41. Pop A., Morar L., Ciupan C., **Ciupan E.** *The Control of the Standoff Distance Depending on the Focus Nozzle Wear Size for the AWJ Cutting Using a Fuzzy Neuronal Network with Back Propagation Learning Algorithm*. Proceedings of the 7th International Conference MTeM 2005, Cluj-Napoca, 2005, pp. 333-336.
42. Ciupan, C., Galiş M., Creţu M., Leţia T., **Ciupan E.** *The Mathematical Model of a Kinematic Axis with Servodrive Variator*. 5Th International Conference “Modern Technologies in Manufacturing”, Cluj-Napoca, 4-6 oct. 2001, ISBN 973-9087-83-3, pp. 143-146.

g. Other works and scientific contributions

1. 4 aluminum molds for thermoforming sofa sides made of composite material;
2. 2 prototypes of sofa sides made of composite material;
3. 15 formulations of thermoplastic composite material from natural fiber with polypropylene;
4. 10 formulations of thermoplastic composite material from natural fiber in combination with polypropylene and bicomponent fiber;
5. 8 formulations of thermoplastic composite material obtained from recycled composite granules;
6. the project of a database necessary to select the composite material according to the beneficiary's requirements.

Data,

06.06.2023

Semnătura

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