

Tehnologii Inovative de Fabricatie

1. G Oancea, M Folea, L A Chicoș, L A Pârv, C Morariu, C Lancea, A C Filip. *Estimarea costurilor de prelucrare a produselor industriale*, Editura Universității Transilvania din Brașov, 2008, ISBN 978-973-598-243-0
2. R Udriou, A Nedelcu, B Deaky. *Rapid Manufacturing by Polyjet Technology of Customized Turbines for Renewable Energy Generation*. Environmental Engineering and Management Journal. Vol.10, No. 9/2011, pp. 1387-1394, FI 1,004
3. R Pescaru, G Oancea. *CAD Modeling of Part Assemblies Using Reverse Engineering Technique*. Advanced Materials Research. 591-593/2012; pp. 7-10
4. L A Chicoș, G Oancea, C Lancea, D Băncilă. *Software System of Integrated and Simultaneous Engineering. Selected Topics in Applied Computer Science*. Iwate Prefectural University, Japan, 2011, pp.234-237
5. A Manolescu, A Fota, G Oancea. *Recognizing Algorithm for Digitized Rotational Parts*, ASME 2012 11th Biennial Conference on Engineering Systems Design and Analysis (ESDA), Volume 4, 2012, pp.457-466
6. A C Filip, I Neagoie. *Simulation of the Metal Spinning Process by Multi-Pass Path Using AutoCAD/VisualLISP*. International Conference on Engineering Mechanics, Structures, Engineering Geology(EMESEG '10), Greece, 2010; pp. 161-165
7. D Schlegel, N Lebaal, M Folea. *Cost optimization for the cutting a cobalt chrome refractory material*, The International Journal of Advanced Manufacturing Technology, 2012, Volume 60, Issue 1-4, pp 55-63, FI 1,205.
8. S Haba, G Oancea, *Design and Manufacturing Optimization of Single-Cylinder Engine Block Prototype Using CATIA*, Applied Mechanics and Materials, ISSN 1662-7482, 2014.
9. S Haba, G Oancea, *Digital manufacturing of air-cooled single-cylinder engine block*, The International Journal of Advanced Manufacturing Technology, ISSN 0268-3768, 2015, FI 1.568.
10. S Haba, G Oancea, *Studies on thermal contraction of crankshaft bearings under extreme low temperatures* JOURNAL OF THERMAL SCIENCE, ISSN 1003-2169, 2015, FI 0.543.
11. E Croitoru, D Magurian, G Oancea, *Finite Element Analysis of Heating-Cooling Systems Used in Laminating Tool*, Transactions of FAMENA, ISSN 1333-1124, 2016, FI 0.317.

Tehnologii performante de fabricatie și sisteme CAD/CAPP/CAM

1. M V Drăgoi. *Ball Nose Milling Cutter Radius Compensation in Z Axis for CNC*. The 8th International Conference on Recent Advances in Software Engineering and Parallel and distributed Systems (SEPADFS '09) Cambridge, UK, pp. 57-60. Indexată ISI
2. G Oancea, L A Chicoș, C Lancea. *Intelligent AutoCAD Objects Used for CAD/CAPP/CAM Systems*, 1st Int. Conf. on Manufacturing Engineering, Quality and Production Systems (MEQAPS'09), Brasov, Romania, 2009, pp. 401-405,
3. V Dițu. *Comparative Study of the Cutting Thermocurrents At OLC45 Steel Turning with TNMG 160408-P30 and TNUN 160412-P30 Plates Mechanically Fixed*. Proceedings Recent Researches in Manufacturing Engineering, 3rd WSEAS MEQAPS 2011, Transilvania University of Brasov, p. 80 – 83.
4. T Păunescu. *New solutions for driving the hydraulic fixtures*, International Journal Of Systems Applications, Engineering & Development, Issue 5, Volume 5, 2011, p. 650-657.
5. A C Filip, I Neagoie. *An Overview on Incremental Sheet Forming, a Aethod for Rapid Manufacturing of Hollow Metal Parts*, Academic Journal of Manufacturing Engineering, vol.8, issue 3, pag.24-29, 2010,
6. R Udriou. *Integrated Design and Manufacturing System for Blades Mould*. Annals of DAAAM for 2008 & Proceedings of the 19th Internatinal DAAAM Symposium pp709. Indexată ISI
7. N Lebaal, D Schlegel, M Folea. *Optimisation of Cutting Conditions in Machining of Cobalt-Bbased Refractory Material*, International Journal of Materials and Product Technology, 2012 Vol.44, No.1/2, pp.127 – 143, ISSN 0268-1900, Factor de impact 0.324
8. M Vasiloni, M V Drăgoi. *Smart Adaptive CNC Machining - State of the Art*, Applied Mechanics and Materials, ISSN 1660-9336, 2014.
9. C Langlade, A Roman, D Schlegel, L Gete, M Folea, *Formation of a Tribologically Transformed Surface (TTS) on AISI 1045 Steel by Friction Stir Processing* revista: Materials and Manufacturing Processes, Vol.31, issue 12 Issn:1042-6914, 2016
10. L Costinescu, C Cojocariu, M Dudita, L Parv, I Velicu, D Munteanu., *The effect of Si incorporation on the mechanical properties and corrosion behaviour of a-C:H and a-C:H:Si coatings*, Journal of Optoelectronics and Advanced Materials, Issn:1841-7132, 2015.

Ingineria și Managementul Calității

1. S M Zaharia, I Martinescu, C O Morariu. *Life time prediction using accelerated test data of the specimens from mechanical element*. Eksploatacja i Niezawodność – Maintenance and Reliability. Vol. 14, 2/2012, 99-106, Factor de impact 0.293
2. C O Morariu, S M Zaharia. *A New Method for Determining the Reliability Testing Period Using Weibull Distribution*. Acta Polytechnica Hungarica, ISSN 1785-8860, Vol 10, No. 7, 2013, pag. 171-186, Factor de Impact: 0.471
3. N Eftimie. *Computer Program for the Sequential-Sampling Plan for Attributes*, in the Book "Recent Advances in Applied and Theoretical Mechanics", Proceedings of the 5th WSEAS International Conference on Applied and Theoretical Mechanics (Mechanics '09). Included in ISI/SCI Web of Science and Web of Knowledge, Puerto De La Cruz, Tenerife, Canary Islands, Spain, December 14-16, 2009, pp. 124-127, ISSN: 1790-2769, ISBN: 978-960-474-140-3H
4. L A Mihail. *Dynamic Mill's Deflection for High Feed Machining on Orthogonal Directions*, Proceedings of the 9th WSEAS International Conference on Signal Processing, Robotics and Automation (ISPRA '10), Included in ISI/SCI Web of Science and Web of Knowledge, WSEAS International Conferences Cambridge, UK, February 20-22, 2010

5. R Clinciu, M R Clinciu. *Estimating the Calibration life for Measuring Devices*, Academic Journal of Manufacturing Engineering, vol.10, issue 2/2012, p.30-35. ISSN 1583-7904
6. C Buzatu, A Fota, A E Dumitrascu, B Lepădătescu. *Researches Regarding the Risks Evaluation of Occupational Health and Security*. In: 6th International Conference STANDARDIZATION, PROTOTYPES and QUALITY: A MEANS of BALKAN COUNTRIES' COLLABORATION, October 9-10 2009, Thessaloniki, Greece, Abstracts.
7. A E Dumitrașcu, A Nedelcu. *Implementation of waste management system*, in the Book „Recent Advanced in Engineering”, Proceedings of the 3th European Conference of Chemical Engineering (ECCE '12) and Proceedings of the 3th European Conference of Civil Engineering (ECCIE '12), Paris, France, December 2-4, 2012, Proceeding ISI – ISSN 2227-4588 (ISBN 978-1-61804-137-1).
8. A E Dumitrascu, B Lepădătescu, D Dumitrascu, A Nedelcu, V Ciobanu, *Reliability Estimation of Parameters of Helical Wind Turbine with Vertical Axis*, The Scientific World Journal, ISSN 1537-744X, 2015.
9. E C Musat, E A Salcă, F Dinulică, V Ciobanu, A E Dumitrascu, *Evaluation of color variability of oak veneers for sorting*. BioResources, ISSN 1930-2126, 2016.
10. V Ciobanu, A E Dumitrascu, B Lepădătescu, ș.a. *The Influence of Speed and Press Factor on Oriented Strand Board Performance in Continuous Press*, BioResources, Issn:1930-2126, 2014
11. V Ciobanu, A E Dumitrascu, B Lepădătescu, *Valorization of Wood Resources for the Cutting of Decorative Veneer in the Context of Sustainable Development of Romanian Forests*, BioResources, Issn:1930-2126, 2013

Centrul regional de cercetare și training în domeniul acționărilor și automatizărilor fluidice - FESTO

1. I. Petre, A. Deaconescu, I. Rogozea, T. Deaconescu. *Orthopaedic Rehabilitation Device Actuated with Pneumatic Muscles*. International Journal of Advanced Robotic Systems, Volume 11, 2014 (105), Print ISSN 1729-8806, Online ISSN 1729-8814, DOI: 10.5772/58693, ISI Impact Factor: 0.821; SRI = 0,526.
2. T Deaconescu, A Deaconescu. *Film Thickness in Coaxial Sealing Systems of Hydraulic Cylinder Rods*. Journal of the Balkan Tribological Association, Vol. 20, No 3, 447–462 (2014), ISSN 1310-4772, ISI Impact Factor: 0.321; SRI = 0,443.
3. T Deaconescu, A Deaconescu. *Functional Characteristics of Pneumatic Muscle Actuated Rehabilitation Equipment for the Joints of the Inferior Limb*. Advanced Science Letters Vol. 19, No. 1, 85-89 (2013), ISSN: 1936-6612 (Print); EISSN: 1936-7317 (Online)
4. T Deaconescu, A Deaconescu. *Rehabilitation of the Ankle Joint by Means of Equipment Actuated by Pneumatic Muscles*. Proceedings of the Ninth IASTED International Conference on Biomedical Engineering, Innsbruck, Austria, 15-17 february 2012, pag. 297-302, ISBN: 978-0-88986-909-7
5. T Deaconescu, A Deaconescu. *Assistive Rehabilitation Device for the Joints of the Lower Limb*. ASME 2011 International Design Engineering Technical Conferences and Computers and Information in Engineering Conference, ASME/IEEE International Conference on Mechatronic and Embedded Systems and Applications (MESA2011), Washington DC, USA, 28-31 August 2011
6. A Deaconescu, T Deaconescu. *Bio-Inspired Pneumatic Muscle Actuated Robotic System*. In Intelligent Automation and Systems Engineering, Vol. 103, pag. 27-40, Springer 2011, ISBN 978-1-4614-0372-2
7. A Deaconescu, T Deaconescu. *Bio-inspired Rotation-Translation System for Rehabilitation Robots*. World Congress on Engineering and Computer Science 2010 San Francisco, International Association of Engineers (IAENG), Vol. I, pag. 357-360, Newswood Limited Hong Kong, ISBN:978-988-17012-0-6, ISSN 2078-0958
8. T Deaconescu, A Deaconescu. *Pneumatic Muscle Actuated Equipment for Continuous Passive Motion*. In IAENG Transactions on Engineering Technologies, Volume 3, American Institute of Physics, Melville, New York 2009, ISBN: 978-0-7354-0713-8
9. A Deaconescu, T Deaconescu. *Experimental and Statistical Parametric Optimisation of Surface Roughness and machining Productivity by Lapping*, Transactions of FAMENA, ISSN 1333-1124, 2015, FI 0.317
10. A Deaconescu, T Deaconescu. *Low Friction Materials Used in the Construction of Hydraulic Sealing Systems in the Case of Small Velocities*, Journal of the Balkan Tribological Association, Vol. 22, No 1, 454–463 (2016), FI 0.737

Proiectarea și Managementul Sistemelor de Productie

1. A Florescu. *Contributions to Lean Concept implementation to optimize activity logistics*, 11th International Conference “Standardisation, Prototypes and Quality: A Means of Balkan Countries' Collaboration”, 9-11 sept 2014, Belgrad, Serbia, ISBN 978-619-167-048-2.
2. A Fota, G Calefariu, M Boscoianu, S Barabaș, *Optimisation of FMS operations by using multiple criteria decision-making*. International Journal Industrial and Systems Engineering, Vol. 13, No. 1, 2013, pag. 110-131, DOI: 10.1504/IJISE.2013.050548, BDI (Scopus, Elsevier).
3. M Moga, G Calefariu, *Analytic aspects of creativity, innovation, research and development*, Academic Journal Of Manufacturing Engineering, Vol. 11, Issue 11, 2013, ISSN 1683-7904, pg. 78-83.
4. A Fota, S Barabaș. *Software engineering used in simulation of Flexible Manufacturing Systems*. Advances in Computer Science, Proceedings of the 6th WSEAS European Computing Conference (ECC'12), Praga 2012, ISSN 1790-5109, pg. 304-309, ISI Proceedings.
5. S Barabaș, A Fota. *Analysis of Hollow Rollers Implementation in Flexible Manufacturing of Large Bearings*. International Conference on Manufacturing and Industrial Engineering (ICMIE 2011), Paris, France, August 24-26, 2011, year 7, issue 80, ISSN: 2010-376X, pg. 170-174, BDI: Excellence in Research for Australia (ERA), Scopus, Thomson Reuters, s.a.

6. G Calefariu, A Fota, C Gavruş, F Sârbu, M Barbu, N Boian. *Management of manufacturing systems adapting and dynamic state times*. International Conference on Economic Engineering and Manufacturing Systems, Braşov, November 2009, Revista RECENT, CNCSIS B+, ISSN 1582 0246, pg. 187-190.
7. A Fota, C Buzatu, G Calefariu. *Development an engineering synthesis model of generalized item for design of flexible manufacturing systems*. The 8th Wseas International Conference on Circuits, Systems, Electronics, Control & Signal Processing (CSECS'90), Puerto de la Cruz, Spania, 14-16 December, 2009, ISSN: 1790-5117, pp. 245-248, ISI Proceedings.
8. F A Sârbu, M Moga, G Calefariu, M Boşcoianu, *Study of Research and Development Processes through Fuzzy Super FRM Model and Optimization Solutions*, The Scientific World Journal, ISSN 1537-744x, 2015.
9. S Barabas, A Florescu, G Calefariu, F A Sârbu, *Optimization of Abrasive Water Jet Cutting for Carburized Pieces*, Proceedings BRAMat 2015, Scientific.net, Advanced Materials and Research, ISSN 1662-8985, 2015.
10. M A Luca, S A Barabas, Deep carburizing process for 20NiCrMo7 and 15NiCr13 steels used in construction of large bearings elements. *Metalurgia International* nr.3, vol XVI, 2011, pag. 5-9
11. S A Barabaş, C Şerban, Researches relating to influence of heat treatments in internal friction of C45 – 1.0503 steel. *Revista Metalurgia International* nr.3, vol XVI, pag. 10-13, 2011.
12. M Barbu, A Fota, G Calefariu., *Computer management simulation of tools flow in flexible manufacturing systems*. *Metalurgia International* ISSN 1582-2241, 2012.
13. Ct Chivu, *Applications of Speech Recognition for Romanian Language*, *Advances in Electrical and Computer Engineering*. No.1(27) Issn:1582-7445, 2007
14. C Chivu., *Movement control of a prosthesis forefinger*. *Advances in Electrical and Computer Engineering*, Issn:1582-7445, 2007