

Universitatea "Lucian Blaga" din Sibiu
 Facultatea de Inginerie
 Departamentul Mașini și Echipamente Industriale
Conf. dr. ing. Ilie Octavian POPP

L I S T A

lucrărilor științifice în domeniul disciplinelor din postul didactic 2010-2021

A. Teza de doctorat

Popp Ilie Octavian, "*Contribuții la cercetarea comportării bazaltului supus unor solicitări specifice mașinilor unelte*", (*Contributions to research the behavior of basalt subject to specific requests of machine tools*), Universitatea "Lucian Blaga" din Sibiu, 1999.

B. Cărți și capitole în cărți publicate

1. *EXPLOATAREA MAȘINILOR UNELTE CU COMANDĂ NUMERICĂ*, **Popp I.**, Telea D., Cărpinișan A., Editura Universității "Lucian Blaga" din Sibiu, 2000, ISBN 973-651-224-x., 250 pag.
2. *EXPLOATAREA, REGLAREA ȘI INTRETINEREA MASINILOR UNELTE – Aplicații* – **Popp I.**, Editura Universității Lucian Blaga Sibiu, ISBN 973-651-629-6, Sibiu 2003, 198 p.
3. *MASINI, ECHIPAMENTE ȘI STRATEGII IN SISTEME FLEXIBILE DE PRODUCTIE*, Telea D., **Popp I.**, Breaz R.E., Editura Universității Lucian Blaga Sibiu, ediția a II a, ISBN 978-973-739-794-2, Sibiu, 2010, 594 pag. (Cap. 1, 2, 3, 4, 5)
4. *MASINI, ECHIPAMENTE ȘI STRATEGII IN SISTEME INTEGRATE DE PRODUCTIE*, Telea D., **Popp I.**, Editura Universității Lucian Blaga Sibiu, ediția a II a, ISBN 978-606-120-399-4, Sibiu, 2012, 224 pag. (Cap. 2, 3, 4, 6)

C. Lucrări indexate ISI/BDI publicate

1. **Popp I.O.**, Barsan I., *Using an Object-oriented Approach for Scalable Flexibility in Manufacturing*, OPTIROB, PROCEEDINGS of the Fifth (2010) International Conference on Optimisation of the Robots and Manipulators, Published by Research Publishing Services, ISBN 978-981-08-5840-7 Edited by Adrian Olaru, 2010, pp. 246-250, [ISBN 978-1-84626-xxx-x, IACSIT, 9 Jurong Town Hall Road iHUB, Printed in Singapore 609431, (www.iacsit.org)].
2. Barsan I., **Popp I.O.** *Researches regarding the use of Electrohydraulic Servosystems at Industrial Robots*, OPTIROB, PROCEEDINGS of the Fifth (2010) International Conference on Optimisation of the Robots and Manipulators, ISBN 978-981-08-5840-7, Edited by Adrian Olaru, Calimanesti, Romania, 28-30 May, 2010, pp. 121-125, [ISBN 978-1-84626-xxx-x, IACSIT, 9 Jurong Town Hall Road iHUB, Printed in Singapore 609431.
3. Barsan Ioan, **Popp Ilie Octavian**, *An Analysis Method of the Electro-hydraulic Rotational Module*, Proceedings of 2011 International Conference on Optimization of the Robots and Manipulators (OPTIROB 2011), Published by Research Publishing Services, ISBN 978-981-08-5840-7 Edited by Adrian Olaru.
4. Telea D., **Popp I.**, *Some aspects regarding the degree of knowledge and applicability in the management of the Kanban systems implementation to be pursued by students in engineering practice*, International Conference on Engineering & Business Education, Innovation and Entrepreneurship Sibiu, Romania, 18 - 21 October, 2012 Book of Abstracts, p. 39, Sibiu, 2012

5. **Popp Ilie Octavian**, Barsan Ioan, *Using an Object-oriented Approach for Scalable Flexibility in Manufacturing*, Advanced Materials Research Vols. 463-464 (2012) pp 1035-1038, Online available since 2012/Feb/10 at www.scientific.net, © (2012) Trans Tech Publications, Switzerland, doi:10.4028/www.scientific.net/AMR.463-464.1035.
6. Barsan Ioan, **Popp Ilie**, *An Analysis Method of the Electro-hydraulic Rotational Module*, Advanced Materials Research Vols. 463-464 (2012) pp 1081-1084, © (2012) Trans Tech Publications, Switzerland, doi:10.4028/www.scientific.net/AMR.463-464.1081
7. Barsan Ioan, **Popp Ilie**, *Researches regarding the use of Elctrohydraulic Servosystems at Industrial Robots*, Advanced Materials Research Vols. 463-464 (2012) pp 1295-1298, © (2012) Trans Tech Publications, Switzerland, doi:10.4028/www.scientific.net/AMR.463-464.1295.
8. **POPP Ilie Octavian**, TELEA Dorin, *Consideration Regarding the Configuration of the Resources and Modeling the Manufacturing Work cell*, ICAMaT 2014 - 7th International Conference on Advanced Manufacturing Technologies, 23-24 October 2014, University POLITEHNICA of Bucharest, published in the Applied Mechanics and Materials, ISSN: 1662-7482, volume available in full text online at www.scientific.net, Trans Tech Publications, Switzerland, doi:10.4028.
9. TELEA Dorin, **POPP Ilie Octavian**, *Elements Design of the Equipment for the Closing of Shock Absorbers Through the Rolling Method*, ICAMaT 2014 - 7th International Conference on Advanced Manufacturing Technologies, 23-24 October 2014, University POLITEHNICA of Bucharest, published in the Applied Mechanics and Materials, volume available in full text online at www.scientific.net, Trans Tech Publications, Switzerland, doi:10.4028.
10. BARBU Stefan, TELEA Dorin, **POPP Ilie Octavian**, *Study on Improving the Functional Performance of Linear Motion Systems*, ICAMaT 2014 - 7th International Conference on Advanced Manufacturing Technologies, 23-24 October 2014, University POLITEHNICA of Bucharest, published in the Applied Mechanics and Materials, volume available in full text online at www.scientific.net, Trans Tech Publications, Switzerland, doi:10.4028, www.iacsit.org].
11. **POPP Ilie Octavian**, TELEA Dorin, *Consideration Regarding the Configuration of the Resources and Modeling the Manufacturing Work cell*, Applied Mechanics and Materials Vol. 760 (2015) pp 219-224 , © (2015) Trans Tech Publications, Switzerland, doi:10.4028/www.scientific.net/AMM.760.219.
12. TELEA Dorin, **POPP Ilie Octavian**, *Elements Design of the Equipment for the Closing of Shock Absorbers Through the Rolling Method*, Applied Mechanics and Materials Vol. 760 (2015) pp 595-600, © (2015) Trans Tech Publications, Switzerland, doi:10.4028/www.scientific.net/AMM.760.219.
13. BARBU Stefan, TELEA Dorin, **POPP Ilie Octavian**, *Study on Improving the Functional Performance of Linear Motion Systems*, Applied Mechanics and Materials Vol. 760 (2015) pp 583-588, © (2015) Trans Tech Publications, Switzerland, doi:10.4028/www.scientific.net/AMM.760.219.
14. **POPP I**, *Consideration Regarding the Modeling of Knowledge of Kanban System by Implementing in Technical Academic Institutions*, in Recent Tendency in Aerospace, Manufacturing Systems, Energy and Mechanical Engineering, OPTIROB 2016, June 29 – 02 July, Jupiter, Constanta, Romania, Edited by Prof. univ. Adrian Olaru, Trans Tech Publications, ISBN 978-3-03835-668-4, Applied Mechanics and Materials, Vol. 841, p.379-386, <http://www.scientific.net>.
15. **Popp I.**, Barsan I., *A software framework for work cell architecture*, ANNALS of the Oradea University, Fascicle of Management and Technological Engineering vol. XVI, CD-ROM Edition, ISSN 1583-0691, pag. 1531-1536 (258), Oradea, 2007.
16. Barsan I., **Popp I.**, *Consideration regarding the choose of the machines tools for flexible manufacturing systems*, ANNALS of the Oradea University, Fascicle of Management and Technological Engineering, vol. XVI CD-ROM Edition, ISSN 1583-0691, pag. 1537-1544 (259), Oradea, 2007 .
17. **Popp I.**, *Consideration regarding a generic reference architecture model for FMS*, ANNALS of the Oradea University, Fascicle of Management and Technological Engineering, vol XVII, CD-ROM Edition, S3 ISSN 1583-0691, pag. 1721-1726 , Oradea, 2008
18. Barsan I., **Popp I.**, *The market risk and the production systems flexibility exploitation*, ANNALS of the Oradea University, Fascicle of Management and Technological Engineering, , vol XVII CD-ROM

- Edition, S4 ISSN 1583-0691, pag. 1906- 1910, Oradea, 2008
19. **Popp Ilie**, Barsan Ioan, *Considerations regarding the monitoring system for preventive maintenance* ANNALS of the Oradea University, Fascicle of Management and Technological Engineering, vol. VIII (XVIII), pp. 1368-1372, ISSN 1583-0691, CD-ROM Edition, pag. 1368-1372, Oradea 2009.
 20. Barsan I., **Popp I.**, *The flexibility in production systems*, ANNALS of the Oradea University, Fascicle of Management and Technological Engineering, vol. VIII (XVIII), pp. 1583-1691, ISSN 1583-0691, CD-ROM Edition, Oradea, 2009
 21. **Popp I.O.**, *Some Considerations Regarding the Partnership in Maintenance*, ANNALS of the ORADEA UNIVERSITY. Fascicle of Management and Technological Engineering, Volume IX (XIX), Nr. 1, S4 CD-ROM Edition, ISSN 1583-0691, (ISBN 978-606-10-0128-6), 2010 pp. 4.223-226. (www.imtuoradea.ro)
 22. **Popp I. O.**, *Considerations regarding Workcell Supervisory Control for Flexible Manufacturing Systems*, ACADEMIC JOURNAL OF MANUFACTURING ENGINEERING, VOL. 8, ISSUE 2/2010, pp.69-74, Editura Politehnica, Timisoara
 23. Telea D., Barbu St., **Popp I.O.**, *Automatised Line with Charging/Evacuating Transfer System of the Workingpost used for the Assembly/Test Disc Type Parts*, ACADEMIC JOURNAL OF MANUFACTURING ENGINEERING, VOL. 8, ISSUE 2/2010, pp.81-86, Editura Politehnica, Timisoara, (www.eng.upt.ro/auif).
 24. Barsan I., **Popp I.O.**, *Researches regarding the Operating Robots in Flexible Manufacturing Cells*, ROBOTICA & MANAGEMENT, International Journal Vol. 15 No. 1, pp. 13-16, ISSN 1453-2069, 2010, Edited by Robotics Society of Romania, "Eftimie Murgu" University of Resita, "Politehnica" University of Timisoara
 25. Telea D., **Popp I.O.**, Barbu St., *Automatic Line whit Transfer System used for Assembly/Testing of Disc Type Parts in Automotive Industry*, ROBOTICA & MANAGEMENT International Journal Vol. 15 No. 1, pp 7-12, ISSN 1453-2069, 2010, Edited by Robotics Society of Romania, "Eftimie Murgu" University of Resita, "Politehnica" University of Timisoara.
 26. **Popp Ilie Octavian**, Barsan Ioan, *Some Consideration Regarding the Architecture Model Conception for the Manufacturing Workcell*, ROBOTICA & MANAGEMENT, International Journal Vol. 16 No. 1, pp. 33-36, ISSN 1453-2069, 2011, Edited by Robotics Society of Romania, "Eftimie Murgu" University of Resita, "Politehnica" University of Timisoara
 27. Barsan Ioan, **Popp Ilie Octavian**, *Pescreenig and Evaluation of a Flexible Manufacturing System*, ANNALS of the Oradea University, Fascicle of Management and Technological Engineering, Volume X (XX), Nr. 2, CD-ROM Edition, ISSN 1583-0691, 2011, S5 pp. 1-6
 28. Barsan Ioan, **Popp Ilie Octavian**, *Using the Electro-hydraulic Servo-system of Swinging in the MA 210 Robot's Strucure*, Academic Journal of Manufacturing Engineering, Volume 9, ISSUE 2/2011, pp. 6-11, Editura Politehnica, Timisoara, 2011
 29. Barsan Ioan, **Popp Ilie Octavian**, *Researches Regarding the Use of Elctrohydraulic Servosystems at Industrial Robots*, , ROBOTICA & MANAGEMENT, International Journal Vol. 16 No. 1, pp. 3-7, ISSN 1453-2069, 2011, Edited by Robotics Society of Romania, "Eftimie Murgu" University of Resita, "Politehnica" University of Timisoara
 30. **Popp Ilie Octavian** *Consideration regarding the Monitoring and Diagnosis of Manufacturing Systems*, ANNALS of the Oradea University, Fascicle of Management and Technological Engineering, Volume (XX), Nr. 2, CD-ROM Edition, ISSN 1583-0691, 2012 S4 NR1/4. p. 122-127. (65).
 31. Telea Dorin, **Popp Ilie**, *Aspects regarding the Advantages of Implementation of the Pull Kanban System on a Shock Absorbers Assembly Line*, ANNALS of the Oradea University, Fascicle of Management and Technological Engineering, Volume (XX), Nr. 2, CD-ROM Edition, ISSN 1583-0691, S4 NR2/4. p. 144-149. 2012.
 32. Telea Dorin, **Popp Ilie**, *The steps used at Pull Kanban System implementation on a Shock Absorbers Assembly Line to Bilstein SA Sibiu*, ANNALS of the Oradea University, Fascicle of Management and

- Technological Engineering, Volume (XX), Nr. 2, CD-ROM Edition, ISSN 1583-0691, S4 NR1/4. p.149 -152, 2012.
33. **Ilie POPP**, Dorin TELEA, *Some Aspects of Development and Programming a Wheels Mobile Robot Using the ARDUINO Development Board*, ANNALS of the Oradea University, Fascicle of Management and Technological Engineering, Volume XXIII, Issue 1, ISSN 1583-0691, 2014, Section *Mechatronics* pp. 315-318.
 34. **Popp Ilie Octavian**, *Scalable Flexibility of Manufacturing used CORBA (ID:72201-220)*, PROCEEDINGS of 9th International Conference on Computer Engineering and Applications (CEA '15), Dubai, United Arab Emirates, February 22-24, 2015. <http://www.wseas.org>.
 35. **Popp Ilie Octavian**, *Consideration the Work Cell Conceptual Model for increasing the Flexibility of Manufacturing (ID: 2014-162)*, International Journal of Systems Applications, Engineering & Development, Volume 9, 2015, Pages: 68-76, ISSN: 2074-1308, (SCOPUS/EI Compendex Journals of NAUN.org), <http://www.naun.org/cms.action?id=10211>
 36. **I. O. Popp** *Consideration regarding the work cell modelling for increasing the flexibility* INNOVATIVE MANUFACTURING ENGINEERING & ENERGY INTERNATIONAL CONFERENCE ImanE2 2016 September 23-25, 2016 Greece, ABSTRACTS ISBN: 978-960-88944-9-5 pag. 119.
 37. **POPP Ilie Octavian**, *Some aspects of bearing diagnosis in Preventive Maintenance*, Revista AJME, (Academic Journal of Manufacturing Engineering) vol. 14, Issue2/2016, p. 52-58, Editura Politehnica, www.auif.utcluj.ro, ISSN 1583-7904.
 38. **POPP Ilie Octavian**, *Some aspects regarding the static behavior of basalt in the machine building industry*, 8th International Conference on Manufacturing Science and Education (MSE 2017), Sibiu, Romania, June 7-9.
 39. **Popp Ilie Octavian**, *Some aspects regarding the thermic behaviour of a basalt parts in machine building industry*, 9th International Conference on Manufacturing Science and Education (MSE 2019), MATEC Web of Conferences 290, 01015 (2019), Sibiu, Romania, <https://doi.org/10.1051/mateconf/201929001015>
 40. M.O. Popp, G.P. Rusu, S.-G. Racz, **I. O. Popp**, *Force and thickness prediction with FEA of the cranial implants manufactured through SPIF*, 9th International Conference on Manufacturing Science and Education (MSE 2019), MATEC Web of Conferences 290, 04008 (2019), Sibiu, Romania, <https://doi.org/10.1051/mateconf/201929004008>
 41. **Ilie Octavian POPP**, *Study on Experimental Determination of the Elasticity Modulus of Casted Basalt*, The Annals of "Dunarea de jos" University of Galati, Fascicle IX, Metallurgy and Materials Science, year XXXVIII (XLIII), December 2020, no. 4, pp. 42-46, ISSN 2668-4748; e-ISSN 2668-4756, DOI: <https://doi.org/10.35219/mms>, (CNCSIS CODE: 215, B+ Category)
 42. **Ilie Octavian POPP**, *Analysis of the eigenfrequencies of the basalt machine parts by the FEM*. 10th International Conference on Manufacturing Science and Education, MATEC Web of Conferences 343, 08002 (2021) <https://doi.org/10.1051/mateconf/202134308002> MSE 2021

D. Lucrări publicate în reviste și volume de conferințe cu referenți (neindexate) - Reviste

1. **Popp I.O.**, Barsan I., *Consideration regarding the Benefits of Condition Monitoring Techniques for Predictive Maintenance*, ICMaS, PROCEEDINGS in MANUFACTURING SYSTEMS, Vol. 5 (2010), ISSN 2067-9238, pp.337-340, University POLITEHNICA of Bucharest, Editura Academiei Romane
2. Barsan I., **Popp I.O.**, *Electro-hydraulic Servo-system Stability Analysis*, ICMaS, PROCEEDINGS in MANUFACTURING SYSTEMS, Vol. 5 No.2 (2010), ISSN 2067-9238, pp.101-108, University POLITEHNICA of Bucharest, Editura Academiei Romane.

3. **Popp I.O.**, *Consideration regarding some Preventive Maintenance Procedures for Hydraulic Systems*, Management of Sustainable Development – Journal vol. 2 nr1/2010, pp. 44-47, Lucian Blaga University of Sibiu, 2010.
4. Barsan Ioan, **Popp Ilie Octavian**, *The Dinamic Behaviour of the Electro-hydraulic Servosystems for Industrial Robots*, PROCEEDINGS of the 5th International Conference on Manufacturing Science and Education- MSE 2011- Sibiu, ISSN 1843-2522, vol. 1, pp. 273-276.
5. **Popp Ilie Octavian**, *Somes Aspects regarding the Maintenance of Bearings*, 11th International Scientific Conference, NOVI SAD, SERBIA, 2012.
6. **Popp Ilie Octavian**, *Consideration Regarding the Role of Sensors in Manufacturing Systems*, PROCEEDINGS of the 6th International Conference on Manufacturing Science and Education- MSE 2013- Sibiu, ISSN 1843-2522, 2013.
7. **Popp Ilie Octavian**, *Consideration Regarding the Diagnosis and Repair of Bearings*, 6th Symposium Durability and Reliability of Mechanical Systems SYMECH, Tirgu-Jiu, 2013.

E. Brevete obținute în întreaga activitate

Brevet de invenție cu titlul: *Sistem modular flexibil de fixare a semifabricatelor pentru procedeul de deformare incrementală*, beneficiar ULB Sibiu, **coautor**.

Data: 19.04.2022

Semnătura: