

Articole ISI

LISTA ARTICOLE INDEXATE ISI - IHP

1 Marin, A, Svasta, P, Drumea, P

Robust control for an electrohydraulic servomechanism

SIMULATION IN INDUSTRY'99: 11TH EUROPEAN SIMULATION SYMPOSIUM 1999 , pp.

665-669, 1999

2. Vasiliu, N., Drumea, P., Vasiliu, D., et al.

Computer-simulation of an electrohydraulic system

MODELLING AND SIMULATION 1992 : 669-673, 1992

3. Drumea P, Blejan M, Dumitrescu L, et al.

Mechatronic system for air pressure control

29TH INTERNATIONAL SPRING SEMINAR ON ELECTRONICS TECHNOLOGY, MAY 10-14,

2006, 195-198, 2006

4. Comes M, Drumea P, Blejan M, et al.

Ultrasonic flowmeter

29TH INTERNATIONAL SPRING SEMINAR ON ELECTRONICS TECHNOLOGY, MAY 10-14,

2006, 443-447, 2006

5. Drumea A, Vasile A, Comes M, et al.

System on chip signal conditioner for LVDT sensors

IST ELECTRONICS SYSTEMINTEGRATION TECHNOLOGY CONFERENCE, SEP 05-07,

2006, Vols 1 and 2, CONFERENCE PROCEEDINGS 629-634, 2006

6. Drumea P, Comes M, Radulescu G, et al.

Electronic module for small hydroelectric power plant

24TH INTERNATIONAL SPRING SEMINAR ON ELECTRONICS TECHNOLOGY (ISSE 2001),

MAY 05-09, 2001: CONCURRENT ENGINEERING IN ELECTRONIC PACKAGING,

CONFERENCE PROCEEDINGS 183-185, 2001

7. Drumea P, Comes M, Mirea AV, et al.

Electronic module for the hydraulic system of mobile equipment used in road maintenance

24TH INTERNATIONAL SPRING SEMINAR ON ELECTRONICS TECHNOLOGY (ISSE 2001),

MAY 05-09, 2001: CONCURRENT ENGINEERING IN ELECTRONIC PACKAGING,

CONFERENCE PROCEEDINGS 186-188, 2001

8. Comes M, Drumea A, Mirea AV, et al.

Intelligent servo hydraulic device for the control of the motion

24TH INTERNATIONAL SPRING SEMINAR ON ELECTRONICS TECHNOLOGY: (ISSE 2001),

MAY 05-09, 2001 CONCURRENT ENGINEERING IN ELECTRONIC PACKAGING,

CONFERENCE PROCEEDINGS 282-285, 2001

9. Blejan M, Drumea P, Enache I, et al.

Computer assisted electropneumatical system to compensate the saq of an optoelectrical detector

6th Symposium on Optoelectronics (SIOEL'99), SEP 22-24, 1999 SIOEL '99: SIXTH SYMPOSIUM ON OPTOELECTRONICS 348-354, 2000

10. Comes M., Drumea A., Mirea A.V., et al

Inteligent servo hydraulic device for control of the motion

24TH INTERNATIONAL SPRING SEMINAR ON ELECTRONICS TECHNOLOGY:CONCURENT ENGINEERINGING ELECTRONIC PACKAGING, CONFERENCE PROCEEDING :282-285 2001

11. Nicolescu C.,

“Research regarding the dimension of watering pipe to localized irrigation by perforated tubes”, in:Romanian Agricultural Research, editat The Research Institute for Cereals and Industrial Crops, nr.15, ISSN 122 - 4227, Fundulea, p.83 - 85, 2001.

12. Nicolescu C., - “Research regarding the equipment of watering pipe to localized irrigation by perforated tubes”, in:Romanian Agricultural Research, editat The Research Institute for Cereals and Industrial Crops, nr.16, ISSN 122 - 4227, Fundulea, p.67 - 68, 2001.

13. Drumea, P., Blejan, M.,Marin, A., Mirea, A., Ilie, I.,Matache, G.,

Virtual instrument designed for dynamic testes of electro-hydraulic devices

30TH INTERNATIONAL SPRING SEMINAR ON ELECTRONICS TECHNOLOGY, MAY 09-13, 2007,pp. 293-297

14. Blejan, M., Drumea, P., Mirea, A., Ilie, I.,

Mechatronic module for monitoring the hydraulic parameters of the industrial production equipments

30TH INTERNATIONAL SPRING SEMINAR ON ELECTRONICS TECHNOLOGY, MAY 09-13, 2007, pp.501-506

15. Marin, A., Drumea, P., Blejan, M., Ilie, I.,

Informatics platform for determining the dynamic performances of a two stages servo valve

5TH INDUSTRIAL SIMULATION CONFERENCE 2007, JUN 11-13, 2007,pp.151-154

16. Marin, A., Drumea, P., Mirea, A.,

Optimization of electro-hydraulic systems using mechatronic concepts

5TH INDUSTRIAL SIMULATION CONFERENCE 2007, JUN 11-13, 2007, pp. 155-158

17. Popescu, T.C., Blejan, M. , Sovaiala, Gh.

2D-Experimental Research upon Accommodating the Functional Parameters of a Laser Controlled System Designed for a Grading Machinery with the Actual Operating Conditions of the Grading Machinery

ATOM-N 2008, 28...31 August 2008, Constanta, Romania, The 4th edition of the International Conference "Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies”

18. Teodor Costinel POPESCU, Marian BLEJAN, Gheorghe SOVAIALA

“Experimental research upon accomodating the functional parameters of a laser controlled system designed for a grading machinery with the actual operating conditions of the grading machinery”, - Proceedings of International Conference “Advanced Topics in Optoelectronics, Microelectronics and Nanotechnologies” ATOM-N 2008, 28 – 31 august, Constanta, Romania

19. Marain BLEJAN, Ioana ILIE, Mircea COMES, Bogdan LUPU

“Signal conditioner for LVDT displacement sensors”, – Proceedings of International Conference “Advanced Topics in Optoelectronics, Microelectronics and Nanotechnologies” ATOM-N 2008, 28 – 31 august, Constanta, Romania

20. Petrin DRMEA, Marain BLEJAN, Ioana ILIE

“Mechatronic module for monitoring the hydraulic fluid parameters”, - Proceedings of International Conference “Advanced Topics in Optoelectronics, Microelectronics and Nanotechnologies” ATOM-N 2008, 28 – 31 august, Constanta, Romania

21. Corneliu CRISTESCU, Petrin DRUMEA, Petrica KREVEY

“The modern instrumentation used for monitoring and controlling the main parameters of the regenerative electro-mechano-hydraulic drive systems”, - Proceedings of International Conference “Advanced Topics in Optoelectronics, Microelectronics and Nanotechnologies” ATOM-N 2008, 28 – 31 august, Constanta, Romania

22. Corneliu. Cristescu, Petrin Drumea, Ioana Ilie, Marian Blejan, Iulian Dutu,

Mechatronics system for recovering braking energy conceived for the medium and heavy motor vehicles, Paper Nr. F014-"ISSE 2008 31st. International Spring Seminar on Electronics Technology Reliability and Life-time Prediction", 7-11 May, 2008, BUDAPEST, HUNGARY, <http://www.isse-eu.net.>, www.ett.bme.hu/isse/isse2008/ (ISI-Thomson, UT WOS: 000272337900081)

23. Popescu, TC, Drumea A, Dutu I

Numerical simulation and experimental identification of the laser controlled modular system purposefully created for equipping the terrace leveling installations, , Proc. 31st International Spring Seminar on Electronics Technology, MAY 07-11, 2008 Budapest Hungary, Pages: 334-339, 2008, ISBN: 978-1-4244-3973-7

24. Blejan, M; Dutu, I; Ilie, I, et al

Electronic intelligent module for a hydraulic briquetting press, Source: 2008 31ST International Spring Seminar on Electronics Technology Pages: 340-342 Published: 2008

25. Teodor Costinel Popescu, Iulian Dutu, Catalin Vasiliu, Marius Mitroi

Adjustement of conformity parameters of PID-type regulators using simulation by AMESim, 7th International Industrial Simulation Conference 2009, ISC 2009, June 1-3, 2009, Loughborough, United Kingdom, Article Number ENERG_01, pp.269-274, <http://www.eurosis.org/cms/?q=node/927> (Publication of EUROSIS-ETI).

26. Teodor Costinel POPESCU, Marian BLEJAN, Gheorghe SOVAIALA

7297 2D-Experimental Research upon Accommodating the Functional Parameters of a Laser Controlled System Designed for a Grading Machinery with the Actual Operating Conditions of the Grading Machinery, ATOM-N 2008, 28...31 August 2008, Constanta, Romania, The 4th edition of the International Conference "Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies", Proceedings of SPIE Vol. 7297 (SPIE, Bellingham, WA, 2009), Article CID Number 7297-86, ISSN: 0277-786X, ISBN: 9780819475596, 5pg., 07.01.2009.

27. C. Cristescu, P. Drumea, P. Krevey,
7297 1W- The modern instrumentation used for monitoring and controlling the main parameters of theregenerative electro-mechano–hydraulic drive systems [7297-68]

28. M.Blejan, B.Lupu, I.Dutu, D.Rotaru, T.C.Popescu
Electronic oscillator for a hydraulic flow divider, ISSE 2009 Abstracts Proceedings, ISBN 978-80-214-3874-3, pag.208-209

29. A.Drumea, I.Ilie, P.Svasta
Pressure sensor for monitoring of distribution points of district utilities for heat and water, ISSE 2009, Abstracts Proceedings, ISBN 978-80-214-3874-3, pag.198-199

30. M.Blejan, I.Dutu, B.Lupu, C.Cristescu,
Data acquisition and control unit for electro hydraulic applications, ISSE 2009 Abstracts Proceedings, ISBN 978-80-214-3874-3, pag.268-269

31. Blejan Marian; Drumea Petrin; Mirea Adrian; et al.
Mechatronic module for monitoring the hydraulic parameters of the industrial production equipments, Editor(s): Schiopu P; Panait C; Caruntu G; et al. Conference: Conference on Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies IV Location: Constanta, ROMANIA Book Series: Proc. SPIE-Volume: 7297 Article Number: 72972F DOI: 10.1117/12.823699 Published: 2009

32. Corneliu Cristescu, Petrin Drumea, Catalin. Dumitrescu
The testing system of the pumps with gear wheels for determining the volumetric efficiency. In: PROCEEDINGS of the 2010 IEEE International Conference on Automation, Quality and Testing, Robotics AQTR 2010 - THETA 17th edition - May 28-30 2010, Cluj-Napoca, Romania , pag. 195- 199, ISBN 978-1-4244-6722-4, IEEE Catalog Number CFP10AQT-PRT,

33. Corneliu Cristescu, Petrin Drumea Liliana Dumitrescu and Constanta Cristescu,
The Dynamic Behavior of the Horizontal Movement Mechanism of one Transfer Manipulator with Electro-Hydraulic Acting. In: Proceedings of The 5nd International Conference „Optimization of the Robots and Manipulators” OPTIROB 2010 –Calimanesti, Romania, 28 - 30 May, pag. 126 –130, Editura PRINTECH, ISBN 978-981-08-5840-4.

34. Corneliu Cristescu, Petrin Drumea, Catalin Dumitrescu
The increasing of the energy efficiency of the motor vehicles by using the hydraulic systems for kinetic energy recovering. In: PROCEEDINGS Vol. II of the 10th International Multidisciplinary Scientific Geo-Conference & EXPO - SGEM 2010, 20 - 26 June 2010, Albena Resort, Bulgaria,

pag. 339- 346, ISBN 10: 954-91818-1-2, ISBN 13: 978-954-91818-1-4.

35. Dragos Ion Guta, Ioan Lepadatu, T.C. Popescu, Catalin Dumitrescu
„Research on the stability of electrohydraulics servomechanism developed with electrohydraulics amplifiers of variable area gradient”, OPTIROB 2010 –Calimanesti, Romania, 28 - 30 May 2010.

36. T.C. Popescu, Dragos Ion Guta, Alexandru Marin
„Adjustment of hydrostatic transmission through virtual instrumentation technique, , energ_02, Proceedings of ISC 2010, June 7-9, 2010, Budapest Hungary, ISBN: 978-90-77381-5-57, pp. 248-253

37. T.C. Popescu, Dragos Ion Guta, Petrin Drumea
”Research activities regarding energetic and functional advantages of hydraulic transmissions”, ,vol.II, Proceedings of SGEM 2010, Albena – Bulgaria, 20-25 June 2010, ISBN 10: 954-91818-1-2, pp.323-330

38. Marian Blejan, Ioana Ilie, Mircea Comes
„ A mechatronics approach to hydraulic drive for applications in robotics”, OPTIROB 2010 –Calimanesti, Romania, 28 - 30 May.

39. Constantin Nicolescu, Sorin Campeanu, Roxana Bucur, Floarea Burnichi, Ghe. Sovaiala
“ System of rainwater collection, storage and pumping”, JFAE 2010, Journal: Food, Agriculture & Environment, ISSN: 1459-0263, Vol. Issue 3&4, pp. 1332-1334

40. Constantin NICOLESCU, Gheorghe SOVAIALA, Gabriela MATAACHE, Daniel BUCUR, Alina Iolanda POPESCU
THE DEVELOPMENT OF THE WATER BODY IN AN ENCLOSURE FROM THE DANUBE MEADOW, USING THE HALF CAPTIVE AQUIFER
11th International Multidisciplinary Scientific GeoConference & EXPO SGEM 2011, Modern Management of Mine Producing, Geology and Environmental Protection, 20.06.2011 - 25.06.2011, Albena, Bulgaria 2011, Vol II, pag. 963-968.

41. Petrin Drumea, Corneliu Cristescu, Catalin Dumitrescu, Iulian Dutu and Ioana Ilie
RESEARCH REGARDING THE DYNAMIC BEHAVIOR OF LINEAR HYDRAULIC SERVO-SYSTEMS
Proceedings of 2011 International Conference on Mechanical Engineering, Robotics and Aerospace (ICMERA 2011) Bucharest, Romania, 20-22 October, 2011, ISBN 978-1-84626-xxx-x

42. D. Ion Guta, C. Cristescu, C. Dumitrescu, I. Lepadatu.
ONLINE TESTING OF AN ELECTRONIC CONTROL MODULE FOR A REGENERATIVE BRAKING DRIVE SYSTEM.
In: Abstract Proceedings.of the 34th International Spring Seminar on Electronics Technology, “New Trends in Micro/Nanotechnology”, ISSE-2011, May 11-15, 2011, pp.164-165, High Tatras, Slovakia, 2011, ISBN 978-80-553-0646-9.

43. Corneliu Cristescu, Petrin Drumea, Liliana Dumitrescu, Ioana Ilie, Constantin Chirita
THE DYNAMIC BEHAVIOR OF THE ELEVATION MOVEMENT MECHANISM OF ONE
TRANSFER MANIPULATOR WITH ELECTRO-HYDRAULIC ACTING.

In: Proceedings of The 6nd International Conference „Optimization of the Robots and
Manipulators” OPTIROB 2011, Sinaia, Romania, 26 - 28 May, pag. 94 –98, IACSIT PRESS,
Singapore, ISSN 2010-460X, ISBN 978-981-08-8906-7

44. Corneliu Cristescu, Petrin Drumea, Catalin Dumitrescu, Constantin Chirita.
TECHNOLOGIES AND EQUIPMENTS FOR WOOD WASTE RECYCLING IN ORDER TO
OBTAIN ECOLOGICAL COMPOST USED IN SUSTAINABLE AGRICULTURE.

In: Proceedings of the the 11th International Multidisciplinary Scientific Geo-Conference &
EXPO - SGEM 2011, 20 - 25 June 2011, Albena Resort, Bulgaria, Vol.III, pag. 895-902, ISSN
1314-2704

45. Gheorghge SOVAIALA, Ilie BIOLAN, Sava ANGHEL, Stefan ALEXANDRESCU, Constantin
NICOLESCU, Daniel BUCUR,

EQUIPMENT FOR APLICATION OF FERTIRRIGATION AT HORTICULTURAL CROPS,
COMEFIM 10, The 10-th International Conference on Mechatronics and Precision Engineering,
Bucharest 19-21 May 2011, [http:// www.comefim10.pub.ro](http://www.comefim10.pub.ro), MCT 2/2011-Mecatronics Review
No. 2/2011,

46. Radu I. Radoi, Iulian Dutu

CONSIDERATIONS ABOUT THE STRUCTURAL AND FUNCTIONAL CHARACTERISTICS OF
A HIGH-RESPONSE PROPORTIONAL VALVE

COMEFIM 10, The 10-th International Conference on Mechatronics and Precision Engineering,
Bucharest 19-21 May 2011, [http:// www.comefim10.pub.ro](http://www.comefim10.pub.ro), MCT 2/2011-Mecatronics Review
No. 2/2011

47. D. Ion Guta, I. Lepadatu, C. Dumitrescu, G. Matache

USING REAL TIME SIMULATION FOR OFF-LINE TESTING OF ELECTRO HYDRAULIC
CONTROL SYSTEMS

COMEFIM 10, The 10-th International Conference on Mechatronics and Precision Engineering,
Bucharest 19-21 May 2011, [http:// www.comefim10.pub.ro](http://www.comefim10.pub.ro), MCT 2/2011-Mecatronics Review
No. 2/2011

48. G. Matache, I. Nita

COMPRESSED AIR AT MEDIUM AND HIGH PRESSURE USED IN PNEUMATIC
AUTOMATIONS AT MAXIMUM ENERGY EFFICIENCY

COMEFIM 10, The 10-th International Conference on Mechatronics and Precision Engineering,
Bucharest 19-21 May 2011, [http:// www.comefim10.pub.ro](http://www.comefim10.pub.ro), MCT 2/2011-Mecatronics Review
No. 2/2011

49. Corneliu Cristescu, Petrin Drumea, Catalin Dumitrescu, Ioana Ilie and Iulian Dutu.

EXPERIMENTAL RESEARCH ON FACTORS INFLUENCING POSITIONING PRECISION OF
LINEAR ELECTROHYDRAULIC SERVO SYSTEMS.

Proceedings of The 2nd IACSIT International Conference on Mechanical Engineering, Robotics

and Aerospace-ICMERA 2011, October 20 - 22, 2011, Bucharest, Romania,

50. C. Cristescu, P. Drumea, D. I. Guta, S. Anghel , M. Crudu.

Experimental measurements for determination of frictional forces within the rod seals of hydraulic cylinders” . In: Proceedings of the the 7 th International Conference on tribology, 3-5 October 2011, Thessaloniki-Grecia, pp. 163-170, ISBN 978-960-98780-6-7, Editor Prof. K-D. BOUZAKIS.

51. Constantin Nicolescu, Gheorghe Sovaiala, Gabriela Matache, Daniel Bucur, Eng. Alina Iolanda Popescu

The development of the water body in an enclosure from the danube meadow, using the half captive aquifer ,11th International Multidisciplinary Scientific GeoConference & EXPO SGEM 2011, Modern Management of Mine Producing, Geology and Environmental Protection, 20.06.2011 - 25.06.2011, Albena, Bulgaria 2011, Vol II, pag. 963-968.

52. Corneliu CRISTESCU, Catalin DUMITRESCU, Liliana DUMITRESCU, Ioana ILIE
THE DYNAMIC BEHAVIOR OF THE PREHENSION MECHANISM OF ONE TRANSFER
MANIPULATOR WITH ELECTRO-HYDRAULIC ACTING

In: Proceedings of The 8th International Conference on Aerospace, Robotics, Mechanical Engineering, Manufacturing Systems, Biomechanics, Biomechatronics and Neurorehabilitation, ” OPTIROB-2013, Mangalia, Romania, 20 - 23 June, pp. 163 – 170, ISBN- 13: 978-3-03785-733-5, Edited by Adrian Olaru, Trans Tech Publication Ltd., Zurich, Swetzerland, 2013, (<http://www.ttp.net> , <http://www.scientic.net> - Applied Mechanics and Meters, Vol. 332), (ISI Proceedings- Web of Knowledge)

53. Catalin DUMITRESCU, Corneliu CRISTESCU, Ionel NITA, Gabriela MATACHE, Ioana ILIE
CONSIDERATIONS REGARDING THE USE OF HYDRAULIC AND PNEUMATIC TRAKERS
FOR PHOTOVOLTAIC PANELS TO CONVERT SOLAR ENERGY DIRECTLY INTO
ELECTRIC ENERGY

In: Proceedings of International Multidisciplinary Scientific Geo-Conference SGEM-2013, 16 – 22 june, 2013, Albena Co., Bulgaria, Vol.: „Energy and clean technologies”, pp. 77 – 84, ISBN 978-619-7105-03-2, ISSN 1314-2704, URL: www.sgem.org (Cross-ref DOI: 10.5593/sgem 2013, ProQuest, SCOPUS and ISI Web of Knowledge)

54. Corneliu Cristescu, Catalin Dumitrescu, Radu Radoi, Gabriela Matache, Ioana Ilie
THE KINETIC AND POTENTIAL RECOVERY ENERGY, A NEW CLEAN TECHNOLOGY,
USED FOR INCREASING OF ENERGY EFFICIENCY OF MACHINERY, EQUIPMENT AND
TECHNOLOGICAL SYSTEMS AND TO REDUCE NEGATIVE ENVIRONMENTAL IMPACT

In: Proceedings of International Multidisciplinary Scientific Geo-Conference SGEM-2013, 16 – 22 june, 2013, Albena Co., Bulgaria, Vol.: „Energy and clean technologies”, pp. 259 – 265, ISBN 978-619-7105-03-2, ISSN 1314-2704, URL: www.sgem.org (Cross-ref DOI: 10.5593/sgem 2013, ProQuest, SCOPUS and ISI Web of Knowledge)

55. Teodor Costinel Popescu, Nicolae Vasiliu, , Daniela Vasiliu

USE OF THE ELECTROHYDRAULIC SERVOMECHANISMS WITH POSITION REACTION
THROUGH LASER

In: Proceedings of International Multidisciplinary Scientific Geo-Conference SGEM-2013, 16 – 22 june, 2013, Albena Co., Bulgaria, Vol. "Water Resources. Forest, Marine And Ocean Ecosystems ", pp. 417 - 424, ISBN 978-619-7105-03-2, ISSN 1314-2704, URL: www.sgem.org (Cross-ref DOI: 10.5593/sgem 2013, ProQuest, SCOPUS and ISI Web of Knowledge)