

Prof. dr. ing. Gh. Livint

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30. **Livint Gh.,** Horga V., Sticea D.,Ratoi M.,Albu M., *Hybrid Electric Vehicle Experimental Model with CAN Network Real Time Control,* Advances in Electrical and Computer Engineering-AECE, vol. 10,Issue 2, 2010, pp. 102-107
31. **Livint Gh.,** Horga V., Ratoi M.,Albu M., Chiriac G., *Implementing the CANopen protocol for the distributed control of a hybrid electric vehicle*
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 2009 8TH INTERNATIONAL SYMPOSIUM ON ADVANCED ELECTROMECHANICAL MOTION SYSTEMS (ELECTROMOTION 2009), Pages: 81-86,Published 2009
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35. **Liviñț Gh.**, Rățoi M., Horga V., Albu M, *Estimation of Battery Parameters Based on Continuous-Time Model*, Proceedings International Symposium on Signals, Circuits&Systems-ISSCS 2007, July 12-13, 2007, Iasi, Romania, pp. 613-617, IE.EE. Catalog Number: 07EX1678C, ISBN : 1-4244-0969-1 –indexata ISI web
36. **Liviñț Gh.**, Chiriac G., Lucache D., Damian I., *Aspect regarding the hybrid electric vehicles architecture and the management strategy for the energy flow*, Proceedings of the 4th International Conference on the Management of Technological Changes, Chania, Greece, August 19-20, 2005, Book 1, pp. 275- 280.
37. Liviñț P., **Liviñț Gh.**, 2003, The synthesis of CRONE controllers with variable phase, *ANNAL OF DAAAM FOR 2003 & PROCEEDINGS of The 14th International DAAAM Symposium “Intelligent Manufacturing &Automation: Focus on Reconstruction and Development”* SARAJEVO, 22-25 th October 2003, ISSN 1726-9679, pp. 271-272
38. Kamnik R., Poboroniuc M., Bajd T., **Liviñț Gh.**, Lucache D., 2003, *Robot and FES Technology for augmenting standing –up and sitting-down capabilities* ICIT’03 International Conference on Industrial Technology, MARIBOR, SLOVENIA, December, 10-12, 2003, ISBN:0-7803-7853-9, pp. 718-723

Patents

1. Ciobanu L., **Liviñț Gh.**, *Instalație pentru distribuirea furajelor și evacuarea dejecțiilor la baterii pentru creșterea păsărilor. Brevet nr. 93169* , (1987), România
2. Ciobanu L., **Liviñț Gh.**, Cantemir L., *Instalație de acționare a căruciorului și a grinzii portante la linia de galvanizare. Brevet nr. 91986* , (1986), România
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4. Ciobanu L., **Liviñț Gh.**, *Stand pentru încercarea motoarelor liniare de inducție cu dublă acțiune și înfășurări de tip inel. Brevet nr. 88273* , (1985), România.
5. Cantemir L., Boiță M., **Liviñț Gh.**, Ciobanu L., *Motor de inducție cu rotor tip pahar și viteză redusă. Brevet nr 87549* , (1984), România.
6. Cantemir L., Boiță M., Ciobanu L., **Liviñț Gh.**, *Motor de inducție cu întrefier plan axial și viteză redusă. Brevet nr. 86713*, (1984), România.
7. Cantemir L., **Liviñț Gh.**, Ciobanu L., *Stand pentru testarea elementelor sistemelor electrice de transport acționate cu motoare liniare de inducție. Brevet nr. 84638* , (1984), România.

8. **Liviñț Gh.**, Ciobanu L., *Stand de laborator pentru încercarea motoarelor liniare de inducție. Brevet nr. 83458*, (1983), România.
9. Ciobanu L., **Liviñț Gh.**, Cantemir L., *Metodă de realizare a înfașurării trifazate tip "inel" în două straturi, cu pas scurtat, la motoarele liniare de inducție. Brevet nr. 83102*, (1982), România.
10. Ciobanu L., **Liviñț Gh.** *Metodă pentru comanda optimă din punct de vedere energetic a motoarelor liniare de inducție. Brevet nr. 81888*, (1982), România
11. Cantemir L., Ciobanu L., **Liviñț Gh.** *Metodă și instalație pentru deplasarea laminatelor cilindrice feromagnetice cu ajutorul motoarelor liniare de inducție. Brevet nr. 80884*, (1982), România.(Derwent Innovations Index)
12. Cantemir L., **Liviñț Gh.**, Ciobanu L., *Dispozitiv pentru obținerea mișcărilor oscilante lente acționat cu motor liniar. Brevet nr. 80883*, (1982), România.
13. **Liviñț Gh.**, Ciobanu L., Cantemir L., *Sistem de transport suspendat, acționat de un motor liniar de inducție. Brevet nr. 80882*, (1982), România
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15. Cantemir L., Neculăiaș V., **Liviñț Gh.**, Ciobanu L., *Metodă și instalație pentru încercarea la uzură a cupurilor în frecare caracteristice liniei de contact-captator de curent electric. Brevet nr. 78367*, (1981), România.

Papers indexed in international databases - BDI

1. **Livint Gh.**, RAfaia R.C., *Comparison between H-infinity control and nonlinear predictive control of automatic vehicle steering*, Journal of Electrical Engineering, ISSN 1582-4594, articol acceptat pentru publicare
2. Hartopanu S., Poboroniuc M. S, Serea F., Irimia D.C., **Livint G.** *New Issues on FES and Robotic Glove Device to Improve the Hand Rehabilitation in Stroke Patients*, Proc. of 6th International Conference on Modern Power System 2015, 18-21 May 2015, Cluj Napoca, Romania, in Acta Electrotehnica, vol.56, No.3, pp.123-127, 2015, ISSN 1841-3323, ISSN 2344-5637, **indexed Google Scholar**.
3. Poboroniuc M. S., **Livint G.**, Jackson N., Cojocaru D., Popescu D., Grindei L., Naaji A., Ward A., *A survey results on existing electrical and information engineering programmes oriented to key global technical challenge areas*, in Proceedings of the 13th International Conference on Technology Based Higher Education and Training ITHET2014, 11-13 September 2014, York, England, pp. 1-8, DOI: 10.1109/ITHET.2014.7155673, IEEE Xplore indexed.
4. Sticea Daniel-Adrian, **Livint Gheorghe**, Albu Mihai, *DC-DC convertor structure for energy management on (hybrid) electric vehicle*, Buletinul AGIR, Anul XVII, nr. 4, octombrie-decembrie 2012, Actionari Electrice, Editura AGIR, ISSN –L 1224-7928, ISSN (online) 2247-3548, pp. 207-211, BDI: Index Copernicus International
5. Adam George, Zbant Andreea (Adam), **Livint Gheorghe**, *A fuzzy adaptive hysteresis band current control for single phase shunt active filters*, Buletinul AGIR, Anul XVII, nr. 4, octombrie-decembrie 2012, Actionari Electrice, Editura AGIR, ISSN –L 1224-7928, ISSN (online) 2247-3548, pp. 241-245, BDI: Index Copernicus International
6. Sticea D., **Liviñț Gh.**, Albu M., *Design and implementation of a controller area network on a hybrid electric vehicle experimental model*, Buletinul Institutului Politehnic Iași, Tomul LVII (LXI), Fasc.3, 2011, Secția Electrotehnică, Energetică, Electronică, pp. 87-93
7. Sticea D., Dumea C., **Livint Gh.**, *Batteries management systems for an hybrid electric vehicle test banch*, Buletinul Institutului Politehnic Iași, Tomul LVII (LXI), Fasc.3, 2011, Secția Electrotehnică, Energetică, Electronică, pp. 69-77

8. Stan A.G., Adam G., **Livint G.**, Munteanu C., "Simulation and analysis of an fuel cell/battery hybrid vehicular power system" – 4th International Symposium on Electrical Engineering and Energy Converters, 22-23 Septembrie 2011, Suceava, Romania, ISSN-L: 1224-7928, pag. 171-176.
9. Filip Bogdan, **Livint Gheorghe**, *Distributed control system used in remote control of transformer substations*, Proceedings of the 3rd International Symposium on Electrical Engineering and Energy Converters, ELS2009, 24-25 September, 2009, Suceava, Romania, ISSN 2066-835X BDI
10. Adam G., Stan A.G., **Livint G.**, "A Matlab-Simulink approach to shunt active power filters" – 25th European Conference on Modelling and Simulation, ECMS 2011, 7-10 iunie 2011, Cracovia, Polonia, ISBN: 978-0-9564944-2-9, pag. 205-210. (indexed in IEEE database).
11. Poboroniuc M., Petrescu M., Stefan M-C, **Livint G.**, 2009, *Different robotic structures aiming to help in testing neuroprosthesis control strategies*, VENTIL Journal (Revija za Fluidno Tehniko, Avtomatizacija in Mehatroniko), edited by University of Ljubljana, Ventil 15/ 2009/6, pp.510-515, ISSN 1318-7279 (indexed in INSPEC database).
12. **Livint Gh.**, Horga V., Albu M., Răţoi M, *Evaluation of Control Algorithms for Hybrid Electric Vehicles*, WSEAS TRANSACTIONS on SYSTEMS, Issue 1, Vol. 6, January 2007, pp. 133-140, ISSN 1109-2777, <http://www.wseas.org>
13. **Livint Gh.**, Lucache D.D., Paicu G., 2003, *CRONE control of an axial magnetic suspension*, Rev. ELECTROMOTION, volume 10, Number 4, october-december 2003, ISSN 1223 – 057X, pp. 518-522.
14. Poboroniuc M., Popescu D., **Livint Gh.**, Haijaji A.El., 2000, *An improved fuzzy control technique for the path tracking problem on mobile robots*. Proceedings of the 7th International Conference on Optimization of Electrical and Electronic Equipment OPTIM 2000, pp. 655-658, May 11-12, Braşov,.
15. **Gh. Livint**, P. Livinti, M. Poboroniuc, *Considerations concerning CRONE control on field-oriented induction motor drive systems*, Proceedings of the 6th International Conference on Electrical and Electronic Equipment OPTIM'98, 1998, vol.2, pg.395-400, Brasov, România, ISBN: 973-98511-2-6, (indexare IEEE-Xplore & INSPEC database);
16. **Livint Gh.**, Căileanu C., *Neural Control of Discrete Event Systems*, Intelligent Manufacturing Systems 1995 (IMS'95) a Proceedings Volume from the 3rd IFAC/IFUP/IFORs Workshop, Bucharest, Romania, 24-26 October 1995, pp. 377-382, – indexată în baza de date Kinokuniza BookWEB
17. Cantemir L., Mitrea S., **Livint Gh.**, 1988, *On the electric drive of electromagnetically sustained vehicle*. Proceedings of the International Conference on Electrical Drives - Poiana Braşov Romania, 20 – 22 septembrie 1988, C4 - 4-1 : C4 - 4-6
18. **Livint Gh.**, Cleju Mihaela, Zamfir Doina, 1987, *Consideraţii asupra funcţiilor de transfer ale motoarelor liniare de inducţie bilaterale*. Revista E.E.A. Electrotehnica, Bucureşti, Anul 35 , nr. 2, februarie, pag. 84 - 90.
19. Cleju Mihaela, **Livint Gh.**, Pintilie Ecaterina, Zamfir Doina, 1986, *Elektronisch - Gesteuertes pneumatiksystem zum transport von textilteilen im rahmen eines arbeitsplatzes*. Buletinul Institut.Politehnic Iaşi, Tom XXXII (XXXVI), Fasc.1-4 , sectia VI, Textile. Pielărie. pag.65 - 70.
20. **Livint Gh.**, Ciobanu L., Cantemir L., 1982 *On the dynamic behaviour of the electric drives based on asynchronous linear motors*. Proceedings of the third National Conference on Electrical Drives, Brasov, may 28 - 30, 1982, p. A-97 : A-102.
21. **Livint Gh.**, Botez Claudia, Ciobanu L., 1982, *Study on the transient duties of electric drives based on asynchronous linear motors in response to changes in the supply frequency*. Proceedings of the third National Conference on Electrical Drives, Braşov, may 28 - 30, 1982, p. A-103 : A-108.
22. **Livint Gh.**, Botez Claudia, 1981, *Studiul regimurilor tranzitorii ale motoarelor liniare asincrone la modificarea tensiunii de alimentare prin modelare numerică*, Revista E.E.A. Electrotehnica, Bucureşti, Anul 29, nr.2. februarie, pag. 71 – 79
23. Cantemir L., **Livint Gh.**, 1977, *Consideraţii asupra permeanţelor fluxului de scăpări ale înfăşurărilor de tip inel utilizate la motoare liniare*. Buletinul Institutului Politehnic Iaşi, Tom XXIII (XXVII), Fasc.1-2, secţia III, Electrotehnică, Electronică, Automatizări, pag. 57 – 62

24. **Livint Gh.**, Cantemir L., 1976, *Calculul inductanțelor înfășurărilor plane într-un strat*. Buletinul Institutului Politehnic Iași, Tom XXII (XXVI), Fasc.1-2, secția III, Electrotehnică. Electronică. Automatizări, pag. 77 - 80.

II.1. Papers published in journals from Romania

1. Elena Dănilă, Gheorghe Livint, *Electrical parameter estimation of supercapacitor with equivalent model*, Buletinul Institutului Politehnic din Iași, Tomul LXI (LXV), Fasc. 1, 2015, Secția electrotehnică, energetică, electronică, pg. 27-36.
2. Mihalache G., **Livint Gh.**, Horga V., *A New Method of Modelling the Stepper Motor and Simulation Sequences Control*, Analele Universitatii Eftimie Murgu, Anul XXI, nr. 2, 2014, ISSN 1453 -7397
3. **Livint Gh.**, V. Horga, D. Sticea, M.Rățoi, M.Albu, *Electrical Drive Systems Control on a Hybrid Vehicle Model*, Buletinul Institutului Politehnic Iași, Tomul LVI (LX), Fasc.3, 2010, Secția Electrotehnică, Energetică, Electronică , pp. 103-115
4. **Livint Gh.**, Horga V., Rățoi M., *Distributed control system for a hybrid electric vehicle implemented with CANopen protocol – Part I*, Bulletin of the Polytechnic Institute of Iasi, tom LIV (LVIII), FASC. 4, 2008, ISSN 1223-8139, pp. 1019-1026
5. **Livint Gh.**, Horga V., Rățoi M., Albu M., Petrescu M., Chiriac G, *Distributed control system for a hybrid electric vehicle implemented with CANopen protocol – Part II*, Bulletin of the Polytechnic Institute of Iasi, tom LIV (LVIII), FASC. 4, 2008, ISSN 1223-8139, pp. 1027-1032
6. Petrescu Marian, **Livint Gh.**, Lucache D. *CAN control system for an electric vehicle” 5th International Conference on Electrical and Power Engineering EPE’2008* Bulletin of the Polytechnic Institute of Iasi, tom LIV (LVIII), FASC. 4, 2008, ISSN 1223-8139, pp. 1033 – 1038.
7. Chiriac G., **Livint Gh.**, Performance analysis of the energy sources on the hybrid electric vehicles, EPE’2008 Bulletin of the Polytechnic Institute of Iasi, tom LIV (LVIII), FASC. 4, 2008, ISSN 1223-8139, pp. 1033 – 1038.
8. **Livint Gh.**, Chiriac G., Horga V., *Aspects Regarding the Drive Line Design of the Parallel Hybrid Electric Vehicles*, Analele Universității din Craiova, Seria Inginerie electrică, , Anul 31, nr. 31, 2007, vol. II, pp. 286-289, ISSN 1842-4805
9. Damian I., Gainginschi R., **Livint Gh.**, *Performances and Limits of a Hybrid Vehicle with an Electric Motor*, Acta Technica Napocensis, Series: Applied Mathematics and Mechanics, 50, vol IV, 2007, International Congress Automotive, Environment and farm Machinery, AMMA 2007, 11-13 October, 2007, Cluj-Napoca
10. **Livint Gh.**, Chiriac G., Horga V., *Aspect regarding the design of the electric vehicles*, Buletinul Institutului Politehnic Iasi, Tomul LII(LVI), fasc. 5A, Electrotehnica, Energetica, Electronica, 2006, pp. 545-552
11. **Livint Gh.**, Horga V., Albu M., Rățoi M., *Control Strategies for Hybrid Electric Vehicles*, Buletinul Institutului Politehnic Iasi, Tomul LII(LVI), fasc. 5A, Electrotehnica, Energetica, Electronica, 2006, pp. 553-562, ISBN
12. **Livint Gh.**, Petrescu M., Poboroniuc M., *A steering system fuzzy control for autonomous vehicles*, Buletinul Institutului Politehnic Iasi, Tomul LII(LVI), fasc. 5A, Electrotehnica, Energetica, Electronica, 2006, pp. 537-544
13. **Livint Gh.** Gainginschi R., Drosescu R., Chiriac G. Damian I., *Aspect regarding the dynamic behaviour of the hybrid electric vehicles*, Buletinul Institutului Politehnic Iasi, Tomul LI(LV), fasc. 5A, Electrotehnica, Energetica, Electronica, 2005, pp. 99- 104
14. **Livint Gh.** Horga V., Ratoi M., Lucache D.D., Albu M., *Prototyping station for electric drives of HEVs*. Buletinul Institutului Politehnic Iasi, Tomul LI(LV), fasc. 5A, Electrotehnica, Energetica, Electronica, 2005, pp. 195-203

15. **Liviñț Gh.**, Petrescu M., Poboroniuc M, *A fuzzy model of vehicles*, Buletinul Institutului Politehnic din Iasi, Tomul L(LIV), 2004, Fasc. 5A, Electrotehnică, Energetică, Electronică, pp. 69-74, ISSN 1223-8139
16. Petrescu M., **Liviñț Gh.**, Poboroniuc M, *Vehicles stability study*, Buletinul Institutului Politehnic din Iasi, Tomul L(LIV), 2004, fasc. 5A, Electrotehnică, Energetică, Electronică, 2004, pp. 110-115, ISSN 1223-8139
17. Poboroniuc M., Kamnik R, **Liviñț Gh.**, Bajd T., Lucache D., *New developments in assisting the physically impaired persons for training and assessment by means of FES*, Buletinul Institutului Politehnic din Iasi, Tomul L(LIV), fasc. 5A, Electrotehnică, Energetică, Electronică, 2004, pp. 116 – 119, ISSN 1223-8139
18. **Liviñț Gh.**, Lucache D.D, M. Petrescu, *Control structures for an axial magnetic bearing*, Buletinul Institutului Politehnic din Iași, Tom XLVIII(LII), 2002, Fasc.5B, Electrotehnică, Energetică, Electronică, pp. 75-80, ISSN 0258-9109
19. Zamfir Mihaela Doina, **Liviñț Gh.**, 2002, *Nonlinear control of a series d.c. motor using singular perturbation and input-output linearization techniques*, Buletinul Institutului Politehnic din Iași , Tom XLVIII(LII), Fasc.5B, Electrotehnică, Energetică, Electronică, 2002, pp. 117-122, ISSN 0258-9109
20. **Liviñț Gh.**, Petrescu M., Liviñți P., *Modeling and control for linear induction motor electrical drive*. Buletinul Institutului Politehnic din Iași , Tom XLVIII(LII), 2002, Fasc.5C, Electrotehnică, Energetică, Electronică, pp. 171-176, ISSN 0258-9109
21. Liviñți P., **Liviñț Gh.**, Petrescu M., *Fuzzy control system of speed for asynchronous motors*. Buletinul Institutului Politehnic din Iași, Tom XLVIII(LII), 2002, Fasc.5C, Electrotehnică, Energetică, Electronică, pp. 203-208, ISSN 0258-9109
22. Lucache D.D., **Liviñț Gh.**, Paicu G., Damiean C.N., *A low cost eddy-current displacement transducer for magnetic bearing*. Buletinul Institutului Politehnic din Iași , Tom XLVIII(LII), 2002, Fasc.5B, Electrotehnică, Energetică, Electronică, pp. 295-298, ISSN 0258-9109
23. **Liviñț Gh.**, Lucache D., Zamfir Doina, *The robust command of an axial hybrid magnetic bearing*, Bulletin of the Polytechnic Institute of Iassy, tom XLVI(L), 2000,Fasc.5, pp.249-255.
24. Zamfir Doina, **Liviñț Gh.**, *Sliding mode control with nonlinear observer for speed and load torque of D.C. series motor*, Bulletin of the Polytechnic Institute of Iassy, tom XLVI(L), 2000, Fasc.5, pp.188-193,
25. Poboroniuc M., **Liviñț Gh.**, *Smooth feedback control for path tracking on a three wheels mobile robot*, Scientific Bulletin of "Politehnica" University of Timișoara, 2000, vol.45(59), Nr.1, pp. 87-92,
26. **Liviñț Gh.**, *Synthese des correcteurs de type H^∞ des actionneurs asynchrones*. Universitatea "Politehnica" București, Proiect TEMPUS PEC-12018/97, PURE: Perspectives d'Utilisation Rationnelle de l'Energie, Bulletin Informativ, No.2, Bucarest 2000, p. 137-142
27. **Liviñț Gh.**, Călărășu D., Poboroniuc M., Chiriță C., *Theoretic and experimental research on an electrohydraulic positioning system*. Buletinul Institutului Politehnic Iași, Tom XLV (IL), 1999, fasc. 5A, Electrotehnică, Energetică, Electronică, pag. 106-109.
28. **Liviñț Gh.**, Liviñți P., Poboroniuc M., *Controllers frequency methodes synthesis in electrical drives systems*. Buletinul Institutului Politehnic Iași, Tom XLV (IL), 1999, fasc. 5A, Electrotehnică, Energetică, Electronică, pag. 102-105.
29. Zamfir Mihaela Doina, **Liviñț Gh.**, *Identification and control using neural designs*.Buletinul Institutului Politehnic Iași, Tom XLV (IL), 1999, fasc. 5A, Electrotehnică, Energetică, Electronică, pag. 160-163.
30. Poboroniuc M., Caramelle L., **Liviñț Gh.**, Zasadzinski M., *H^∞ controller reduction technique applied to an asynchronous motor on vevicle and mobile robots*, Buletinul Institutului Politehnic Iași, Tom XLV (IL), 1999, fasc. 5A, Electrotehnică, Energetică, Electronică, pag. 148-151.
31. Călărășu D., **Liviñț Gh.**, *Modelarea numerică și studiul comportării dinamice a unui sistem de reglare hidrostatică secundară, în regim de presiune constantă*. Revista Construcții de mașini, Anul LI, 1999, Nr. 9-10, pag. 13 – 18.

32. Călărășu D., **Liviñț Gh.**, Chiriță C., *Dinamica sistemului de reglare automată a unui motor cu capacitate reglabilă în regim de presiune constantă*. Rev. Hidraulica, Buletin Informativ, nr.2, 1998, ISSN/453-7303, pag. 4-8
33. Zamfir Mihaela Doina, Pal Cristea, **Liviñț Gh.**, *Sur la decouplage et commande optimale des robots industriels par retours d'état*; Analele Universității Ștefan cel Mare Suceava, secțiunea electrică, An IV, 1997, nr.8, pag. 20-24, ISSN 1222-4316.
34. Căileanu C., **Liviñț Gh.**, *Neural network in model based control of discrete event systems*. Real Word Applications of Intelligent Technologies. Eds H.J. Zimmermann, M. Gh. Negoită, D. Dascălu, Romanian Academy Publishing House, 1996, pp. 185-192.
35. **Liviñț Gh.**, Căileanu C., Boimond J.L., Ferrier J.L., *Considerations on discrete events systems modelling and control using the (max, +) algebra*. Buletinul Institutului Politehnic Iași, Tom XLI (XLV), 1995, Fasc. 5, Secția III, Electrotehnică, Energetică, Electronică, D, pag. 963 - 972.
36. Căileanu C., **Liviñț Gh.**, *Neural network for discrete event systems identification*. Buletinul Institutului Politehnic Iași, Tom XLI (XLV), 1995, Fasc. 5, Secția III, Electrotehnică, Energetică, Electronică, D, pag. 973 - 980.
37. **Liviñț Gh.**, Ciobanu L., Cantemir L., Botez Claudia, *Considérations concernant l'établissement des projets des moteurs linéaires d'induction à enroulements du type anneau*. Buletinul Institutului Politehnic Iași, Tom XXXI (XXXV), 1985, Fasc.1- 4, sectia III, Electrotehnică, Energetică, Electronică, Automatizări., pag. 73 - 80.
38. Cantemir L., **Liviñț Gh.**, Ciobanu L., Biborosch L., *Captarea curentului electric prin arc cu aplicații în tracțiunea electrică de mare viteză. Incercări dinamice*. Revista Transporturilor si Telecomunicațiilor, Anul XII, nr.7, 1985, București, pag. 73 - 75.
39. Cantemir L., Neculăiasa V., Ciobanu L., **Liviñț Gh.**, Crăciun V., *Unele considerații privind uzura electromecanică a cuplurilor în frecare caracteristice liniilor de contact - captator de curent electric*. Revista Transporturilor si Telecomunicațiilor, Anul XI, 1984, nr.1 , Bucuresti pag. 27 - 30.
40. **Liviñț Gh.**, Ciobanu L., Cantemir L., *Possibilités d'essai des moteurs linéaires de puissance moyenne*. Buletinul Institutului Politehnic Iași, Tom XXX (XXXIV), 1984, Fasc.1-4 , sectia III, Electrotehnică.Energetică. Electronică Automatizări., pag. 75 - 81.
41. Cantemir L., Ciobanu L., **Liviñț Gh.**, Biborosch L., *Posibilitățile transferării prin arc electric a energiei electrice în tracțiunea electrică de mare viteză.Incercări statice*. Revista Transporturilor si Telecomunicațiilor, Anul XI, 1984, nr.7 , Bucuresti, pag. 92 - 94.
42. Neculăiasa V., Cantemir L., **Liviñț Gh.**, Ciobanu L., *Cercetări privind uzura mecanică a cuplurilor în frecare caracteristice liniei de contact - captator de curent electric*. Revista Transporturilor si Telecomunicațiilor, Anul X, 1983, nr.7-8, București, pag. 90 - 93 .
43. Cantemir L., **Liviñț Gh.**, Ciobanu L., Juncu M., *Unele consideratii privind mersul economic al vehiculelor acționate cu motoare liniare*. Revista Transporturilor si Telecomunicațiilor, Anul VIII, 1981, nr.3, București, pag. 128 - 131.
44. **Liviñț Gh.**, Botez Claudia, Cantemir L., *Studiul regimurilor tranzitorii de pornire ale motoarelor liniare asincrone prin modelare numerică*. Buletinul științific al Institutului Politehnic Cluj - Napoca, Seria: Electrotehnică - Energetică -Informatică, 1978, Tom 21, pag. 33 - 37.
45. Cantemir L., **Liviñț Gh.**, *Preocupări ieșene pentru utilizarea motorului liniar de inducție*. Buletinul Institutului de Marină, Mircea cel Bătrân", 1977, vol.II, pag. 81-88.
46. Mărgărint I., **Liviñț Gh.**, 1976, *Contribuții la stabilirea valorii alunecării nominale optime pentru acționările electrice cu volant*. Buletinul Institutului Politehnic Iași, Tom XXII (XXVI), 1976, Fasc.3-4, secția III, Electrotehnică. Electronică. Automatizări., pag. 63 - 70.

II.2 Papers published in proceedings of International Conferences in Romania

1. Adam G., Stan A.G., **Liviñț G.**, "A Matlab graphical user interface for studying brushless dc motor control" – 4th International Symposium on Electrical Engineering and Energy Converters, 22-23 Septembrie 2011, Suceava, Romania, ISSN-L 1224-7928, pag. 251-254.

2. **Livint, Gh.**, Horga V., SticeaD., Răţoi M., AlbuM., *Hybrid Electric Vehicle Experimental Model with CAN Network Real Time Control*, 10th International Conference on Development and Application Systems, Suceava, Romania, May 27-29, 2010
3. Stan (Baciu) Gh. Alina-Georgiana, **Livint Gheorghe**, *A wavelet based energy management strategy for a fuel cell power system*, 6th International Conference on Electrical And Power Systems, Iasi, Romania, 28-30 october 2010
4. **Livint Gh.**, Munteanu Claudiu, Patelli Dinu, *Control structures for electrohydraulic systems*, 6th International Conference on Electrical And Power Systems, Iasi, Romania, 28-30 october 2010, ISBN: 978-606-13-0078-5.
5. Irimia D.C, Poboroniuc M. S., Stefan C.M., **Livint Gh.**, *Voice Control of a mechanical limb*, in Proceedings of the 6th Conference on Electrical and Power Engineering EPE2010, October 28-30, 2010, Iasi, Romania, EPE2010 Proceedings vol.II, pp. 371-374, ISBN: 978-606-13-0078-5.
6. Irimia D.C, Poboroniuc M. S., Stefan C.M., **Livint Gh.**, *Voice Controlled Neuroprosthesis System*, in Proceedings of the 12th Mediterranean Conference on Medical and Biological Engineering and Computing MEDICON 2010, May 27-30, 2010, Chalkidiki, Greece, IFMBE Proceedings vol.29, p. 426 ff., ISSN: 1680-0737, ISBN: 978-3-642-13038-0.
7. Sticea D., Albu **Livint Gh.**, Vasile Horga, Marcel Ratoi, *An automated manual transmission solution for a hybrid electrical vehicle model*, in Proceedings of the 6th Conference on Electrical and Power Engineering EPE2010, October 28-30, 2010, Iasi, Romania, EPE2010 Proceedings vol.II, pp. 371-374, ISBN: 978-606-13-0078-5.
8. Poboroniuc M. S., Stefan C.M., **Livint Gh.**, Irimia D.C, *Issues on mechatronic devices aiming to test neuroprosthesis*, in Proceedings of the 2009 Advanced Technologies for Enhanced Quality of Life - AT-EQUAL 2009, July 22-26, 2009, Iasi, Romania, IEEE Computer Society Order Number P3753, pp.23-27, ISBN-13: 978-0-7695-3753-5, DOI 10.1109/AT-EQUAL.2009.16.
9. **Livint Gh.**, Horga V., Sticea D., Răţoi M., Albu M., *Electrical drives control of a hybrid electric vehicle experimental model*, Proceedings of the 7th International Conference of Electromechanical and Power Systems, Editura PIM, 2009, vol. II, pp. 21-27, ISBN vol II, 978-606-520-623-6, October 8-9, 2009, Iaşi, Romania,
10. Sticea D., **Livint Gh.**, Albu M., Chiriac G., *Experimental stand for the dynamical cycle study of the batteries used on hybrid electrical vehicle*, Proceedings of the 7th International Conference of Electromechanical and Power Systems, Editura PIM, 2009, vol. II, pp. 172-175, ISBN vol II, 978-606-520-623-6, October 8-9, 2009, Iaşi, Romania,
11. Chiriac G., Sticea D., **Livint Gh.**, Lucache D., Dănilă Elena, *Tendencies in electric and hybrid electric vehicles batteries*, Proceedings of the 7th International Conference of Electromechanical and Power Systems, Editura PIM, 2009, vol. II, pp. 181-186, ISBN vol II, 978-606-520-623-6, October 8-9, 2009, Iaşi, Romania,
12. Filip Bogdan, **Livint Gheorghe**, *Differential transformer protection performed by the RET 314*4 module*, Proceedings of the 7th International Conference of Electromechanical and Power Systems, Editura PIM, 2009, vol. I, pp. 165-169, ISBN vol I, 978-606-520-617-5, October 8-9, 2009, Iaşi, Romania,
13. Poboroniuc M. S., Stefan C.M., **Livint Gh.**, Irimia D.C, Chirila A.M., *Voice recognition control in mobile robots and neuroprosthesis*, in Proceedings of the 7th International Conference on Electromechanical and Power Systems SIELMEN 2009, October 8-9, 2009, Iasi, Romania, Volume 2, pp.II-141 – II-144, general ISBN: 978-606-520-618-2, ISBN vol.II: 978-606-520-623-6.
14. Poboroniuc M., Petrescu M., Ştefan C., **Livint Gh.**, *Learning Neuroprosthesis Control by Using Remotely Tutored Simulation and Experiments*, SINTES13: The international Symposium on Systems Theory, vol. I, Automation&Mechatronics, XIIIth edition, Romania, Craiova, 18-20 october, Universitaria Publishing House, 2007, pp. 342-347, ISBN 978-973-742-839-4.
15. Petrescu M., Poboroniuc M., **Gh. Livint**, *E-learning issue on remote control for mobile robots by means of an Easy Java program*, Proceedings of the 17th EAEEIE Annual International Innovation in Education for Electrical and Information Engineering, June 1st-3rd, 2006, Craiova, Romania, pg.54-59, ISBN 973-742-350-X (ISBN 978-973-742-350-4).

16. **Liviñț Gh.** Horga V., Albu M., Rățoi M., *Testing Possibilities of Control Algorithms for Hybrid Electric Vehicles*, Proceedings of the 2nd WSEAS International Conference on Dynamical Systems and Control, Bucharest, Romania, October 16-18, 2006, pp. 47-52, CD, ISSN: 1790-5117, ISBN: 960-8457-54-8
17. Brinzilă M. C., Petrescu M., Cretu M., **Liviñț Gh** , **2004**, *A complex system for monitoring of exhaust gas from hybrid vehicle*, SACS'2004, Iasi, Romania, CD.
18. Poboroniuc M., Popescu D.C., **Liviñț Gh.**, Lucache D., Petrescu M., **2004**, *FES- based assistive rehabilitative devices for training of physically impaired persons*, SACS 2004, Iasi, Romania, CD
19. Zamfir Doina, **Liviñț Gh**, **2004**, *Adaptive control scheme for a class of second-order logic-based switched systems*, The 12th International Symposium on Modeling, Simulation and System's Identification, SIMSIS 12, September 24-25, 2004, Dunarea de Jos Uniuersity of Galati, pp. 279-283.
20. **Liviñț Gh.**, Poboroniuc M, Ferrier J. L., *Considerations concerning asynchronous motor H^∞ control on vehicle and mobile robots*. Proceedings of The 6-th International Symposium on Automatic Control and Computer Science SACCS'98, Iași, Romania, 1998, November 20-21,
21. **Liviñț Gh.**, Liviñți P., Poboroniuc M., **1998**, *Considerations concerning CRONE control on field oriented induction motor drive systems*. Proceedings of the 6-th International Conference on Optimization of Electrical and Electronic Equipments, OPTIM'-98, Brașov, May 14-15 1998, IsBn 973-98511-1-6, pp. 395-400.
22. Zamfir M.D., **Liviñț Gh.**, *Investigations concerning the utilisation of neural network for controlling a series D.C. motor*. Proceedings of the International Conference on applied and theoretical electricity, vol. III, sessions, E, F and G, pp. 147-152, Craiova, 1996, june, 6 - 7,
23. Căileanu C., **Liviñț Gh.**, *Techniques for induction motor modelling and parameter indentification*. Preprints of the 5th International Symposium on Automatic Control and Computer Science, SACCS' 95, Iași - România, 26 - 27 octombrie 1995, Automatic Control Systems, Vol. 1, pag. 102 – 107
24. **Liviñț Gh.**, Căileanu C., Zamfir D., Poboroniuc M, **1995**, *Bilinear discrete event systems control*. Preprints of the 5th International Symposium on Automatic Control and Computer Science, SACCS' 95, Iași - România, 26 - 27 oct. 1995, Automatic Control Systems, Vol.1, pag. 73 -77
25. Căileanu C., **Liviñț Gh.**, *Flexibil digital control for DC-motors*. Preprints of the 4th International Symposium on Automatic Control and Computer Science, SACCS' 93, Iași - România, 29 - 30 octombrie 1993, pag. 211 - 215.
26. **Liviñț Gh.**, Căileanu C., *Internal model control structures for position control systems with D.C. motors*. Preprints of the 4th International Symposium on Automatic Control and Computer Science, SACCS' 93, Iași - România, 29-30 octombrie 1993, pag. 205 - 210.
27. Ciobanu L., **Liviñț Gh.**, *Considerations regarding the correlation between the shape of the electrical motors with opened magnetic circuit and the possibilities of use*. Proceedings INCEMADS' 86, Eforie Nord - Romania, 16 - 17 sept.1986, A.2.1 - A.2.2.7-1 : A.2.2.7-10
28. **Liviñț Gh.**, Ciobanu L., *Considerations on the speed control of the induction linear motors*. Proceedings INCEMADS' 86, Eforie Nord - Romania, 16 - 17 sept. 1986, B.2.1- B.2.2.10-1: B.2.2.10-9.
29. Cantemir L., Opreșor M., Hoza Fl., Olah I., **Liviñț Gh.**, Ciobanu L., Miroș I., *Driving of transport robots by linear motor*. Proceedings INCEMADS' 86, Eforie Nord - Romania, 16 - 17 sept. 1986, A.2.1 - A.2.2.10-1: A.2.2.10-10.
30. Cantemir L., **Liviñț Gh.**, Ciobanu L., Miroș I., Leonte P., **1986**, *Linear motor driven converger vehicle VEMLI-02*. Proceedings International Conference on electrical Machines and drive systems, INCEMADS' 86 , Eforie Nord - Romania, 16 - 17 septembrie 1986, A.2.1 - A.2.2.9-1 : A.2.2.9-8.

II.3. Papers published in proceedings of International Conference Abroad

1. Poboroniuc M.S., **Gheorghe Livint**, F. Maciel Barbosa, Wojciech Mysiński, Anna Friesel, Bahar Karaoglan, Yoana Ruseva, Dorin Popescu, Tomislav Kilic, Tony Ward, Noel Jackson, Ian Grout. *Developing New Electrical and Information Engineering Related Curricula to Respond to the Actual Global Challenges: The Renewable Energy Curriculum*. Proceedings of the EAEEIE2015 conference, 1-2 July 2015, Copenhagen, Denmark.
2. Mihalache G., **Livint G.**, Stan P., *Microstepping Control of Hybrid Stepping Motor with Two Phase Using Microcontroller PIC16F690*”, 9th International Conference on Electromechanical and Power Systems, SIELMEN 2011, 16-17 octombrie 2013, Chişinău, Republica Moldova
3. Danilă E., Lucache D.D., **Livint G.**, “*Models and modelling supercapacitors for a defined application*” – 8th International Conference on Electromechanical and Power Systems, SIELMEN 2011, 13-15 octombrie 2011, Chişinău, Republica Moldova.
4. Adam G., Stan A.G., **Livint G.**, “*Impact of poor power quality in household equipment and how to diminish it*” – The 7th International Conference Management of Technological Changes – MTC 2011, 1-3 Septembrie 2011, Alexandroupolis, Grecia, ISBN vol. 1: 978-960-99486-2-3, pag. 433-436.
5. Stan A.G., Munteanu C., **Livint G.**, Adam G., “*Technological challenges for successful development of a hybrid electric vehicle*” – The 7th International Conference Management of Technological Changes – MTC 2011, 1-3 Septembrie 2011, Alexandroupolis, Grecia, ISBN vol. 1: 978-960-99486-2-3, pag. 609-612.
6. Stefan C., Poboroniuc M., **Livint Gh.**, *Experimental Results in Assessing the Grip Force Control in Stroke Patients during the FES-Based Rehabilitative Treatment*, Proceedings of the 9th Vienna International Workshop on Functional Electrical Stimulation, 19-22 September 2007, Krems, Austria, ISBN 3-900928-08-8, pp.91-94,
7. Chiriac G., **Livint Gh.**, Stefan C., *Batteries models used to simulate the hybrid electric vehicles*, Proceedings of the 5th International Conference on electromechanical and power systems, October 6-8, 2005, Chisinau, rep. Moldova, vol. 2, pp. 982-985
8. Petrescu M., **Livint Gh.** Poboroniuc M., Romila E., *Fuzzy logic control for yaw rate vehicle*, Proceedings of the 5th International Conference on electromechanical and power systems, October 6-8, 2005, Chisinau, rep. Moldova, vol. 2, pp. 729-732
9. Petrescu M. **Livint Gh.**, *Modeling of steering systems for vehicles*, Proceedings of the 5th International Conference on electromechanical and power systems, October 6-8, 2005, Chisinau, Rep. Moldova, vol. 2, pp. 733-736
10. **Livint Gh.**, Lazar F. I, Stefan M. C., Poboroniuc M., *Synthesis of fuzzy logic controllers for hybrid electric vehicles*, Proceedings of the 5th International Conference on electromechanical and power systems, October 6-8, 2005, Chisinau, Rep. Moldova. vol. 2, pp. 620-623
11. **Livint Gh.**, Drosescu R., Chiriac G., Damian I., *Modeling the dynamic behaviour of the parallel hybrid electric vehicles*, Proceedings of the 5th International Conference on electromechanical and power system, October 6-8, 2005, Chisinau, Rep. Moldova., pp.
12. **Livint Gh.**, Chiriac G., Lucache D., Horga V., Damian I., *The optimization of duty hybrid electric vehicles using the artificial intelligence*, Proceedings of the 7th International Conference “Modern electric traction in integrated XXIst Century Europe” MET’2005, Warsaw University of Technology, Varsawa, Poland, 29septembrie – 1 octombrie 2005, pp.
13. Poboroniuc M., **Livint Gh.**, Lucache D., *From robots to human body: FES-based control of standing in paraplegia*, 12th Internatioual Symposium on Power Electronics –Ee2003, NOVI SAD , Serbia & Montenegro, November, 5th-7th, 2003

14. Petrescu M, **Liviñț Gh.**, *Aspects for modelling and control of electric vehicle with DC motor*, 4th International Conference on electromechanical and power systems – SIELMEN 2003, CHIȘINĂU, 26th –27 th, september 2003, vol. I, pp. 87– 92,
15. **Liviñț Gh.**, Petrescu M., **2003**, *Comande H^∞ de la suspension active*. 4th International Conference on electromechanical and power systems – SIELMEN 2003, CHIȘINĂU, 26th –27 th, september 2003, vol. I, pp. 83 – 86,
16. **Liviñț Gh.**, Petrescu M., Zamfir D. *Sinteza unor regulatoare fuzzy pentru acționări electrice cu motoare asincrone*, A treia Conferință Internațională de sisteme electromecanice și energetice, CHIȘINĂU, 4-6 octombrie 2001, vol. III, pag. 81- 84
17. **Liviñț Gh.**, Lucache D., *The control of the flywhell system magnetic suspension*, 11th International Symposium on Power Electronics – Ee 2001, XI Medunarodni simpozijum Energetska elektronika – Ee 2001, NOVI SAD, Yugoslavia, oct. 31-nov. 2, 2001.
18. Lucache D., **Liviñț Gh.**, Patelli D., Serban Elena, *A position magnetic sensor for use with magnetic bearing systems*, 5th International Conference on Mechatronic Design and Modeling , 13-14 September 2001, KONYA, Turkey
19. **Liviñț Gh.**, Lucache D., M. Poboroniuc, G. Paicu, 2001, *Robust RST-type controller for a PM magnetic bearing*, 5th International Conference on Mechatronic Design and Modeling , 13-14 September 2001, KONYA, Turkey
20. Poboroniuc M., Popescu D., Haijaji A. El., **Liviñț Gh.**, Dovifaaaz X, 2000, *Improved fuzzy and neural control on mobile robots path tracking*, 3rd International Conference on Applied Mathematics and Engineering Sciences CIMASI'2000, October 23-25, 2000, CASABLANCA, Maroc.
21. **Liviñț Gh.**, Lucache D., Zamfir Doina, *Numerical command of an axial hybrid magnetic bearing*, 3rd European Conference on Magnetic Sensors & Actuators, EMSA 2000, July 19-21, 2000, DRESDEN, Germany, PE3.
22. **Liviñț Gh.**, Lucache D., Poboroniuc M., *Proiectarea controlerelor de viteză de tip H^∞ pentru acționări electrice de curent alternativ*. A doua Conferință Internațională de Sisteme Electromecanice SIELMEC'99, CHIȘINĂU, Republica Moldova, 8-9 octombrie 1999, vol. II, pag. 85-88.
23. Liviñți P., **Liviñț Gh.**, *Sinteza comenzii optime liniar patratice pentru sisteme de acționare electrică cu motoare asincrone trifazate*. A doua Conferință Internațională de Sisteme Electromecanice SIELMEC'99, CHIȘINĂU, Republica Moldova, 8-9 octombrie 1999, vol. II, pag. 81-84.
24. Liviñți P., **Liviñț Gh.**, *Algoritm de sinteză a regulatoarelor automate din structurile de comandă vectorială a motoarelor asincrone utilizând caracteristicile logaritmice de frecvență*. A doua Conferință Internațională de Sisteme Electromecanice SIELMEC'99, CHIȘINĂU, Republica Moldova, 8-9 octombrie 1999, vol. II, pag. 77-80.
25. **Liviñț Gh.**, Poboroniuc M., Lucache D., *H^∞ controllers synthesis for field-oriented induction motor drives fed by current-controlled frequency converter*. Proceedings of the 3-rd International Symposium on advanced electromechanical motion systems *ELECTROMOTION'99*, University of PATRAS, Greece, july 8-9, 1999, vol. I, pp.345-350.
26. **Liviñț Gh.**, Călărășu D., Poboroniuc M., Chiriță C., *On the synthesis of an electrohydraulic positioning system with state feedback and proportional integrator on error*. Proceedings of the 3-rd International Scientific Conference ELEKTRO'99, ZILINA, Slovak REPUBLIC, may 25-26 1999, pp. 128-133.
27. **Liviñț Gh.**, Călărășu D., *Studiul comportării dinamice a unui sistem de reglare hidrostatică secundară în regim de presiune constantă*. Prima conferință Internațională de sisteme electromecanice,

- SIELMEC '97, vol. I. pag. 94 - 97, CHISINĂU, Republica Moldova, 16-18 octombrie 1997, Editura Tehnică, 1997, ISBN 9975 - 910 - 22- X.
28. Poboroniuc M., **Liviñț Gh.**, *Implementarea controlului fuzzy pentru un robot mobil*. Prima conferință Internațională de sisteme electromecanice, SIELMEC '97, vol. I. pag. 94 - 97, CHISINĂU, Republica Moldova, 16-18 octombrie 1997, Editura Tehnică, 1997, ISBN 9975 - 910 - 22- X.
 29. Călărășu D., **Liviñț Gh.** *Model matematic pentru sisteme de acționare hidrostatică cu reglare secundară în regim de presiune constantă*. Prima conferință Internațională de sisteme electromecanice, SIELMEC '97, vol. I. pag. 94 - 97, CHISINĂU, Republica Moldova, 16-18 octombrie 1997, Editura Tehnică, 1997, ISBN 9975 - 910 - 22- X
 30. Călărășu D., **Liviñț Gh.**, Patelli D., *Cercetări experimentale privind comportarea dinamică a unui sistem de reglare hidrostatică secundară în regim de presiune constantă*. Prima conferință Internațională de sisteme electromecanice, SIELMEC '97, vol. I. pag. 94 - 97, CHISINĂU, Republica Moldova, 16-18 octombrie 1997, Editura Tehnică, 1997, ISBN 9975 - 910 - 22- X
 31. Liviñți P., **Liviñț Gh.**, *Sinteza unor regulatoare CRONE pentru sistemele de acționare electrică cu motoare asincrone cu comandă cu orientare după câmp*. Prima conferință Internațională de sisteme electromecanice, SIELMEC '97, vol. I. pag. 94 - 97, CHISINĂU, Republica Moldova, 16-18 octombrie 1997, Editura Tehnică, 1997, ISBN 9975 - 910 - 22- X.
 32. Poboroniuc M., **Liviñț Gh.**, *Parallel robot trajectory modelling with neural network*. Proceedings of the fourth Groningen International Information Technology Conference, pp.53 - 57, The Netherlands, GRONINGEN, 1997, February, 21
 33. **Liviñț Gh.**, Olaru R., Căileanu C., Cotae C., *The determination of the static characteristics of the screened inductive transducers with magnetic fluids*. Sixth International Conference on Magnetic Fluids, ICMF- 6, PARIS, July 20 -24 1992, P6/16, pag. 530 - 531,
 34. Biborosch L., Cantemir L., **Liviñț Gh.**, Ciobanu L., **1985**, *On the arc in cross flow and with moving anode*. XVII International Conference on Phenomena in Ionized Gases, BUDAPEST, 8 - 12 July, 1985, pag. 768 - 770.

III. Papers published in proceedings of National Conferences in english

1. **Liviñț Gh.**, Petrescu M., *Fuzzy controller comparison for field-oriented induction motor drives* Proceedings of 11th National Conference on Electric Drives, Galați, 10-12 october, 2002, pp.169-172, ISBN 973-8352-83-5.
2. Liviñți P., **Liviñț Gh.**, *Robust control of the electric drive systems*. Proceedings of the 9-th National Conference on Electrical Drives CNAE'98, Craiova, october 8-9, 1998, pp. 283-288.
3. Zamfir M.D, Boimond J.L., **Liviñț Gh.**, *Numerical control of liniar multivariable systems*. The 8th Symposium on Modelling, Simulation and Identification Systems, SIMSIS - 8 '94, Symposium Proceedings, vol.1, GALATI, october, 21-22, 1994, pag. 136 – 141
4. Zamfir M.D., Boimond J.L., **Liviñț Gh.**, *On the problems regardings decoupling and analogue command of multivariable liniar systems*. The 8th Symposium on Modelling, Simulation and Identification Systems, SIMSIS - 8 '94, Symposium Proceedings, vol.1, GALATI, october, 21-22, 1994, pag. 128 - 135.
5. **Liviñț Gh.**, Ferrier J.L., Mareș Mihaela, *Computer command of position control systems with D.C. motors*. Proceedings of the eighth National Conference of Electrical Drives, Iași, october 22 - 24, 1992 ,pag. D.12.1 : D.12.8.
6. **Liviñț Gh.**, Zamfir Doina, *Some considerations on the optimal control in the electric drive of continuons current*. Proceedins of the seventh National Conference on Electrical Drives, Galați, october 11 - 14 , 1990, vol. I , pag. 70 - 80.

7. Cantemir L., Voinea E., Ciobanu L., **Liviñț Gh.**, *The influence of the electro-supply on the electric drive in the road transport of Iassy*. Proceedings of the sixth National Conference on Electrical Drives, Timișoara, may 13 - 14, 1988, pag.5.37 - 5.42.
8. Ciobanu L., Liviñț Gh., *Un unitary study on the electric drives with the linear induction motors with a single short inductor and "ring" winding*. Proceedings of the fifth National Conference on Electrical Drives, Iași, may 16 -17, 1986, pag. B-109 : B-11
9. **Liviñț Gh.**, Ciobanu L., Cantemir L., Cleju Mihaela,, *Driving of transport and positioning robots by the linear induction motors*. Proceedings of the fifth National Conference on Electrical Drives, Iași, may 16 - 17, 1986, pag. B-131 - B-136.
10. **Liviñț Gh.**, Ciobanu L., *The speed control system of the linear induction motors on the principle on the orientation after field"*. Proceedings of the fifth National Conference on Electrical Drives, Iași , may 16 - 17, 1986 , pag. B-117 : B-122
11. **Liviñț Gh.**, *Drive and positioning systems with linear induction motor in the step by step duty regime*. Proceedings of the fifth National Conference on Electrical Drives, Iași, may 16 - 17 , 1986, pag. B-123 : B-130.
12. **Liviñț Gh.**, *Mechanical characteristics of the linear induction motor at the modification of the angle between the axis of symmetry of the inductor and the armature*. Proceedings of the fifth National Conference on Electrical Drives, Iași, may 16 - 17 , 1986, pag. A-71 : A-77.
13. Ciobanu L., Liviñț Gh., *Considerations on braking methods used in the electric drives with linear induction motors (L.I.M.)*. Proceedings of the fourth National Conference on Electrical Drives, Craiova, sept., 20 - 21, 1984, pag. A-91 : A-96.
14. **Liviñț Gh.**, Ciobanu L., *The use of electric drives with linear induction motors for the ferromagnetic cylindrical rolled steel shift*. Proceedings of the fourth National Conference on Electrical Drives, Craiova, sept., 20 - 21, 1984 , pag. D-57 : D-62 .
15. Ciobanu L., **Liviñț Gh.**, *Considerații asupra indicilor energetici ai sistemelor de acționare cu motoare liniare de inducție alimentate de la convertizoare statice de frecvență. Considerations on the energetic indexes of the drive systems with linear induction motor supplied by static frequency converter*. SIMECS' 83. Proceedings of the Symposium on Electrical Machines associated with Static Converters. Institutul Politehnic București, 18 - 19 noiembrie 1983, pag.317 - 324
16. **Liviñț Gh.**, Ciobanu L., Botez Claudia, *Asupra comportării dinamice a acționărilor electrice cu motoare liniare de inducție alimentate prin convertizoare statice de frecvență. On the dynamic behaviour of the drives with linear induction motors supplied by static frequency converters* .SIMECS' 83 .Proceedings of the Symposium on Electrical Machines associated with Static Converters. Institutul Politehnic București, 18 - 19 noiembrie 1983, pag. 302 - 308 .