

UNIVERSITATEA TEHNICĂ “GH. ASACHI” IAȘI

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Domeniul: Inginerie Electrică

L I S T A D E L U C R Ă R I P U B L I C A T E

I. Cursuri, monografii, manuale universitare

I.1. Teza de doctorat

Asupra posibilitatilor de imbunatatire a performantelor sistemelor de pozitionare cu aplicatii in robotica, decembrie 1997, specializarea Automatica, Universitatea Tehnica „Gh. Asachi” Iasi.

I.2. Manuale universitare

1. Radu Olaru, **Mihaela Doina Zamfir**, *Teoria sistemelor si utomatizari*, Universitatea Tehnică ”Gh, Asachi” Iași, 1995.
2. Gh. Livint, **Mihaela Doina Zamfir**, *Electronica industrială si automatizari*, Universitatea Tehnică ”Gh, Asachi” Iasi, 1987.
3. M. Nemescu, Gh. Livint, L. Ciobanu, Mihaela Cleju, Mihaela Doina Zamfir, *Indrumar laborator Electronica industrială*, Universitatea Tehnică ”Gh, Asachi” Iasi, 1980
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II. Articole publicate în reviste de specialitate din străinătate și din țară și în volume ale conferințelor internaționale

II.1. Articole publicate în reviste și în volume ale conferințelor internaționale indexate ISI sau în baze de date

1. Gh.Livint, Cleju M., **Zamfir D.**, *Considerații asupra funcțiilor de transfer ale motoarelor liniare de inducție bilaterale*, E.E.A-Electrotehnica, 35, nr.2, pp. 84-90, București,1987
2. M.Cleju, Livint Gh., Pintlie E.,**Zamfir D.**, *Electronically Controlled Pneumatic System for Transport of Textile Elements within the Framework of a 4*, pp. 65-70, Iași, 1986.*Working Area (in Garment Manufacture)*, (Elektronisch-gesteuertes pneumatiksystem zum transport von textilteilen in rahmen eines arbeitsplatzes), Buletinul I.P.Iasi, t.XXXII (XXXVI), s.VI, f.1

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1. **Mihaela Doina Zamfir** , *Switched adaptive control structure for robust motion controller*, 5-th International Conference on Electrical and Power Engineering, 3-5 oct. 2008, Faculty of Electrical Engineering, Iasi, Romania, Bul.I.P.Iasi, t. LIV (LVIII), Fasc. 5, 2008 ,Sectia Electrotehnica ,Energetica Electronica.
2. **Mihaela Doina Zamfir**, *Multiple loop nonlinear control fir D.C. Series Motor*, 5-th International Conference on Electrical and Power Engineering, 3-5 oct. 2008, Faculty of Electrical Engineering, Iasi, Romania, Bul.I.P.Iasi, t. LIV (LVIII), Fasc.. 5, 2008, Sectia Electrotehnica ,Energetica Electronica.
3. **Mihaela Doina Zamfir** *SDRE Technique, Methodology for Direct Synthesis of Nonlinear Feedback Controllers for D.C. Series Motor* , **Analele Universitatii din Craiova**, Seria Inginerie Electrica , Anul 31, nr. 31, 2007, Vol.1, pg. 144-148
4. **Mihaela Doina Zamfir** -*Multiple Loop Nonlinear Control of Single Link Manipulator With Flexible Joint*, **Analele Universitatii din Craiova**, Seria Inginerie Electrica, Anul 31, nr. 31, 2007, Vol.II,
5. **Mihaela Doina Zamfir**, *Discrete-Time Recursive Backstepping Technique for Control of D.C. Series Motor*, Buletinul Inst. Pol. Iasi, Tomul LII (LVI), Fsc. 5, 2006, Sectia Electrotehnica ,Energetica Electronica, pg. 166-171
6. **Mihaela Doina Zamfir**, *Discrete-Time Feedback Liniarization Method for Control of D.C. Series Motor*, ,Buletinul Inst. Pol. Iasi, Tomul LII (LVI), Fsc. 5, 2006, Sectia Electrotehnica ,Energetica Electronica, pg.160-165
7. **Mihaela Doina Zamfir**, *Nonlinear Control of D.C. Series Motor using singular perturbation and input-output liniarization technique*,Bul. Inst. Pol. Iasi, Tomul XLVII(LII), Fasc V, Electrotehnica, Energetica, Electronica, Fasc. 5B
8. **Mihaela Doina Zamfir**, *Control by nonlinear decupling theory for D.C. series motor*, Bul. Inst. Pol. Iasi, Tomul XLVII(LII), Fasc V, Electrotehnica, Energetica, Electronica, Fasc. 5B, pg 111-116.
9. Gh. Livint, D. Lucache, **Mihaela Doina Zamfir** ,*The Robust Command of an Axial Hybrid Magnetic Bearing*,Bul. Institutului Politehnic Iasi, tomul XLVI (L), A X-a Conferinta Nationala de Actionari electrice, CNAE, Iasi, 12-13 Octombrie, pg.249-255.
10. **Doina Zamfir**, Gh. Livint ,*Sliding Mode Control with Nonlinear Observer for Speed and Load Torque of D.C.Series Motor*, Bul. Institutului Politehnic Iasi, tomul XLVI (L), A X-a Conferinta Nationala de Actionari electrice, CNAE, Iasi, 12-13

11. **Mihaela Doina Zamfir**, C.Pal, *Numerical simulations of electric drive control system using D.C. series motor*, Bul. I.P. Iasi, T. XLV (IL), Fasc. 5A, Sectia Electrotehnica, Energetica, Electronica, 1999.
12. **Mihaela Doina Zamfir**, Cristea Pal, Livint, *Numerical simulations of electrical drive control system using D.C. series motor*, Bul. Institutului Politehnic Iasi, tomul XLV (IL), fasc. 5, 1999
13. **Mihaela Doina Zamfir**, Gh. Livint, *Identification and control using neural designs*, Bul. Institutului Politehnic Iasi, tomul XLV (IL), fasc. 5, 1999
14. **Mihaela Doina Zamfir**, Cristea Pal, *On the possibility of a two fingers flexible grasping process simulation for an industrial robot gripper*, Analele Universitatii " Dunarea de jos", Galati, Fascicolul III-Electrotehnica, Electronica, Automatica, Informatica, 1998, ISSN 1221-454X.
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16. **Mihaela Doina Zamfir**, Cristea Pal, Iulian Graur, *Sur ou pilotage automatique d'un robot equipee d'un moteur serie du courant continu*, Analele Universitatii "Stefan cel Mare", Suceava, Sectiunea Electrica, anul IV-1997, Nr.8, pg. 20-24, ISSN 1222-4316.
17. **Mihaela Doina Zamfir**, Cristea Pal, Gh. Livint, *Sur la decouplage et commande optimale des robots industriels par retours d'etat*, Analele Universitatii "Stefan cel Mare" Suceava, Sectiunea Electronica, anul IV-1997, Nr. 8, pp. 20-24, ISSN 1222-4316.
18. C.Pal, **Mihaela Doina Zamfir**, *Über eine metode der enzwurfung der geschwindigkeits-diagramme für schrittmotoren im rahmen eines antriebsystems*, Bul. I.P. Iasi, Sectia III, Electrotehnica, Energetica, Electronica, Automatizari, fasc.3-4/1990
19. Dorin Belaus, **Doina Zamfir**, *Methode et relation de calcul pour mesurer la puissance active avec un wattmetre a bobine de courant shuntee*, Bul. I.P.Iasi, t. XXXVI (XL), Fasc. 3-4, Sectia III, Electrotehnica, Energetica, Electronica, Automatizari, Sectia III,,1990.
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21. Mihaela Cleju, Gh. Livint, Ecaterina Pintilie, **Mihaela Doina Zamfir**, *Electronisch Gesteuertes Pneumatik-system zum Transport von Textilteilen im Rahmen eines Arbeitsplatzes*, Bul.I.P.Iasi, Sectia a VI-a, Textile-Pielarie, t. XXXII (XXXVI), Fasc. 1-4/1986, pg. 65-70.

22. M.Nemescu, **Mihaela Doina Zamfir**, Mihaela Cleju, D. Belaus, *Die Physikalische Interpretation der heteroparametrischen langsamen Schwingungen in ferromagnetischen, nichtlinearen, orthogonal gesteuerten Induktoren enthaltenden Stromkreisen*, Bul. I.P.Iasi, Sectia III, Electrotehnica, Energetica, Electronica, Automatizari, t. XXXII (XXXVI), fasc. 1-4/1986, p. 5-8.
23. M.Nemescu, Mihaela Cleju, **Mihaela Doina Zamfir**, D.Belous, *Heteroparametrische Langsame Schwingungen in ferromagnetischen, nichtlinearen, orthogonal-gesteuerten, Induktoren enthaltenden Stromkreisen*, Bul.I.P.Iasi, Sectia a VI-a, Textile-Pielarie, t. XXXII (XXXVI), Fasc. 1-4/1986, pg. 19-22.

II.3 Articole în volume ale Conferințelor Internaționale din străinătate

1. **Mihaela Doina Zamfir**, *Backstepping Control for one Link Flexible Manipulator. Simulations and Results*, The 5-th International Conference on Electromechanical and Power System-October 6-8, 2005, Chisinau, Rep. Moldova, pg. 717-720
2. **Mihaela Doina Zamfir**, *Acceleration Control of one link flexible Manipulator*, The 5-th International Conference on Electromechanical and Power System-October 6-8, 2005, Chisinau, Rep. Moldova, pg. 713-716
3. Livint Gh., Petrescu **M.**, **Zamfir Doina**, *Sinteza unor regulatoare fuzzy pentru actionari electrice cu motoare asincrone*, A treia Conferinta Internationala de Sisteme electromagnetice si energetice, Chisinau, 4-6 oct. 2001, vol. III, pp. 80-84
4. Livint Gh, Lucache D, **Zamfir Doina**, *Numerical command of an axial hybrid magnetic bearing*, 3-rd European Conference on Magnet Sensors Actuators, EMSA 2000, July 19-21, 2000, Dresden, Germany, PE3
5. **Cristea Pal, Iulian Graur, Doina Zamfir**, *Asupra unui motor electric liniar pas cu pas cu reluctanta variabila*, A doua conferinta internationala de sisteme electromecanice, (SIELMEC'99), Chisinau, 8-9 Octombrie 1999.
6. **Mihaela Doina Zamfir**, *Backstepping Control for one Link Flexible Manipulator. Simulations and Results*, The 5-th International Conference on Electromechanical and Power System-October 6-8, 2005, Chisinau, Rep. Moldova, pg. 717-720
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October 12-14, Iasi, Romania, Bul. Inst. Pol. Iasi, tom XLVI(L), Fasc. 5, 2000, pp. 249-255.

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II.4. Articole publicate in volumele unor conferinte internationale din tara

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2. **Mihaela Doina Zamfir**, *Sliding mode adaptive control for flexible joint manipulator*, Proceeding of the 7-th International Conference on electromechanical and power system, octombrie 8-9, 2009, Iasi, Romania, vol. 2, pg. 149-152
3. **Mihaela Doina Zamfir**, *Sliding adaption scheme, Control for D.C. Series motor*, The Second International Symposium on Electrical and Electronics Engineering – ISEEE-2008, Galati, Romania
4. **Mihaela Doina Zamfir**, *Synthesis of robust controller via D-K Iterations for one link flexible manipular* The Second International Symposium on Electrical and Electronics Engineering – ISEEE-2008, Galati, Romania
5. **Mihaela Doina Zamfir**, *Multiple Loop Nonlinear Control of Single Link Manipulator With Flexible Joint*, 5-th International Conference on Electrical and Power Engineering, 3-5 oct. 2008, Iasi, Romania,
6. **Mihaela Doina Zamfir**, Gh. Livint, *Adaptive Control scheme for a class of second-order logic based switched systems*, The 12-th International Symposium of Modeling Simulation and Identification-September, 25-25, 2004, "Dunarea de jos" University of Galati
7. **Mihaela Doina Zamfir**, *Dynamical sliding mode strategy for control of series D.C. motor*, Proceedings of The International Conference on Applied and Theoretical Electricity (ICATE '96), Craiova, june 6-7, 1996, vol. III, p. 153- 158.
8. **Mihaela Doina Zamfir**, Gh. Livint, *Investigations concerning the utilization of neural networks for controlling a series D.C. motor*, Proceedings of the International Conference on Applied and Theoretical Electricity (ICATE'96), Craiova, June 6-7, 1996, vol. III, p. 147-152
9. **Mihaela Doina Zamfir**, Boimond, J. L. Gh. Livint, *On the problems regarding decoupling and analogue command of multivariable linear systems*; The 8th International Simposium on Modelling, Simulation and Identification Systems, Galati, october 21-22, 1994, pp.128-135.

10. **Mihaela Doina Zamfir**, J.L.Boimond, Gh. Livint; *Numerical control of linear multivariable systems*, The 8th International Symposium on Modelling, Simulation and Identification Systems, Galati, october 21-22, 1994, p. 136-141.

III. Articole în volume ale Conferințelor Naționale

III. 1. Volume ale Conferințelor Naționale de Acționări Electrice, Modelare și Identificare – publicate în limba engleză

1. Gh. Livint, C. Caileanu, **Mihaela Doina Zamfir** s.a., *Bilinear Discrete Event Systems Control Systems*, The 5th Symposium on Automatic Control and Computer Science 26-27 october, Iasi, 1995, pp. 73-77.
2. **D. Zamfir**, *Analytical construction of unliniar regulators for D.C. engine monitoring part of electrical drives systems*, Suceava, 28-30 mai, 1992.
3. **Mihaela Doina Zamfir**, *Analytical construction of nonlinear regulators for D.C. engine monitoring part of electyrical action systems*; Conferinta Nationala "Development and Application Systems" Electrical engineering " 28-29 mai, 1992, p.184-188.
4. **Mihaela Doina Zamfir**, *Roots place method using in positioning systems optimisations*, Conferinta Nationala "Development and application systems", Electrical Engineering Departement, 28-29 mai, 1992, Suceava, vol. I, p.131- 136.
5. Gh. Livint, **Mihaela Doina Zamfir**, *Some considerations on the optimal control in the electric drive of continous current*, The seventh National Conference of Electrical Drives, Galati, october, 11-14, 1990, vol. 1, Section 2, p. 70-79.
6. T Giosan, **Mihaela Doina Zamfir**, *Nonlinear almost periodical adjusted ascillations in the automaticaly adjusted systems of certain devices with hidromechanical action. Part. 1*, The second National Conference on Electrical Drives, May 16-17, 1980, Cluj Napoca, A-113

III.2 Volume Conferințe și Simpozioane Naționale – publicate în limba română

1. D. Asandei, M. Leca, **Mihaela Doina Zamfir**, *Asupra unei noi posibilitati de reglare automata a capacitatilor bateriilor de condensatoare*, Al II-lea Simposion de Structuri, Algoritmi si echipamente de conducere a proceselor industriale, Iasi, 27-28 oct. 1989, p. 185-191.
2. C.Pal, **Mihaela Doina Zamfir**, *Asupra posibilitatilor de actionare electrica a robotilor industrial*, Sesiune jubiliara de comunicari stiintifice "Contributia Invatamantului Politehnic la dezvoltarea ramurilor de varf ale industrie din Romania", vol. 4, 1988, p. 128-134.

3. **Mihaela Doina Zamfir**, M. Nemescu, s.a.; *Asupra unei posibilitati de masurare a vitezei firelor in procesul de tesere*, Sesiune Stiintifica, Sectia Electronica aplicata, Iasi, 16-17 mai, 1986 p. 1-6.
4. D.Alexa, **Mihaela Doina Zamfir**, Gh. Livint ,*Comanda unui redresor nesimetric care nu solicita putere reactiva retelei de alimentare*; Conferinta Nationala de Electrotehnica, Electroenergetica, Craiova, 20-21 sept. 1984, Sectia Converteoare statice de putere, p. 1-8.
5. D. Alexa, **Mihaela Doina Zamfir** ,*Invertor pentru alimentarea cu frecventa si tensiune variabila a unui motor asincron bifazat*, Conferinta Nationala de Electrotehnica, Electroenergetica, Craiova, 20-21 sept. 1984, Sectia Converteoare statice de putere, p. 75-80
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7. T Giosan, **Mihaela Doina Zamfir**, *Aplicatii ale teoriei jocurilor diferentiale in domeniul oroducerii, distributiei si utilizarii energiei electrice*, Al II-lea Simpozion National de Teoria Sistemelor, Craiova, 1982, vol. II, pp. 85-90.

IV. Lucrări prezentate la Sesiuni științifice locale.

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V. Brevete de inventie

1. Nemescu, D. Alexandru, **Mihaela Doina Zamfir** *Sistem pentru controlul pozitiei tesaturii si reglarea automata a tensiunii firelor de urzeala la ruperea firelor de batatura*, Brevet Nr. 98678/1989, Romania
2. Nemescu, D. Alexandru, **Mihaela Doina Zamfir** –Cerere brevet- *Aparat pentru controlul tesaturii firelor*, 1990, Romania

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