

Lucrări în volumele unor conferințe internaționale**a. Caracterizarea proprietăților sistemelor dinamice cu referire la: circuite electrice, controlabilitate, stabilitate, interconexiunea Kirchhoff, teoria sistemelor, sisteme automate**

1. Voicu M., Păstrăvanu O., Time-domain and parametric properties corresponding to Popov inequality. *1st IFAC Symposium on System Structure and Control* (SSSC 01), August 29-31, 2001, Czech Techn. University of Prague, p. 52; *Proceedings* (ISBN 0-08-043414-2), CD-ROM, 108, 6 pag
2. Voicu M. (ed.), Proc. Of the 15th Int. Conf. On System Theory, Control and Computing (Joint conference of SINTES15, SACCS11, SIMSIS15), October 14-16, 2011, Sinaia, Romania; technically co-sponsored by IEEE Control Systems Society, www.ieee.org/conferences_events/conferences/conferencedetails/index.html?Conf_ID=19227. *Editura Politehniun*, ISBN 978-973-621-322-9 (print), ISBN 978-973-621-323-6 (CD), ISBN 978-973-621-321-2 (IEEE-Xplore), Iași, 2011.

b. Modelare, simulare, identificarea parametrilor, estimarea stării, diagnoza proceselor

3. Voicu M., Păstrăvanu O., Păvăluc L., Numerical aspects of d.c. electric motor parameters and state estimation via adaptive observer simulation. *International Conf. on Electric Drives*, University of Brașov, Sept. 20-22, 1988; *Proceedings*, vol. 4, D.2-2, pp. 1-8.
4. Voicu M., Păstrăvanu O., Calinescu R., A comparison between numerical and symbolic simulation of nonlinear dynamic systems. *8th International Conference on Control Systems and Computer Science*, Polytechnic Institute of Bucharest, 1990; *Proceedings*, vol. I.
5. Marcu T., Voicu M., Miscellaneous pattern classification techniques for process fault detection and isolation. *IFAC/IMACS International Symp. on Fault Detection, Supervision and Safety for Technical Processes*, Baden-Baden (Germany), Sept.1991, *Proceedings, VDI/VDE*, vol. I, pp. 175-180.
6. Păstrăvanu O., Voicu M., Marcu T., Lazăr C., From numerical to symbolic computation – modern perspectives for computer aided education in control engineering. *IEEE Regional International Conf. MELECON '91*, Ljubljana (Slovenja), 1991; *Proceedings, IEEE*, pp. 1548-1551.
7. Marcu T., Voicu M., Fuzzy weighted clustering and classification for process fault detection. *IFAC Symp. on Artificial Intelligence in Real Time Control*, Delft (The Netherlands), 1992; *Proceedings, IFAC*, pp. 275-280.
8. Voicu M., Păstrăvanu O., Păvăluc L., Lazăr C., State estimation techniques in increasing the efficiency of computer-controlled biosynthesis processes. *IFAC Workshop on Automatic Control for Quality and Productivity*, June 3-5, 1992, Istanbul; *Proceedings, IFAC*, vol.2, pp. 487-494.
9. Voicu M., Păstrăvanu O., Lazăr C., Design and numerical implementation of a state estimator for biosynthesis processes. *2nd IFAC on Modelling and Control of Biotechnical Processes*, Colorado (USA), 1992; *Proceedings, IFAC*, pp. 350-362.

10. Marcu T., Voicu M., Fuzzy and non-parametric techniques of pattern recognition for fault detection in dynamic systems. *2nd European Control Conference*, University of Groningen (The Netherlands), June 25 - July 1, 1993; *Proceedings*, 6 pag.
11. Marcu T., Voicu M., Fuzzy techniques in pattern recognition for process fault diagnosis. *International Workshop on Fuzzy Technologies in Automation and Intelligent Systems – “Fuzzy Duisburg '94”*, Duisburg University (Germany), April 7-8, 1994; *Proceedings*, pp. 105-116.
12. Voicu M., Marcu T., Fault diagnosis of dynamic systems in control engineering education. A first experience. *Workshop „Model-Based Fault Diagnosis '94”*, Zakopane (Poland), May 26-28, 1994; *Proceedings*, pp. 62-71.
13. Marcu T., Voicu M., A total least squares approach of pattern recognition for model based fault detection. *IFAC Symposium SAFEPROCESS '94*, Espoo, Helsinki, June 13-16, 1994; *Proceedings, IFAC*, 6 pag.
14. Marcu T., Voicu M., A neuro-fuzzy approach to pattern recognition for process change detection. *3rd European Control Conference*, Universita La Sapienza, Roma, September 5-8, 1995; *Proceedings*, vol. 3, pp. 1999-2004.

c. Stabilizarea sistemelor, sinteza reguletoarelor și aplicații de timp real și ale IA în automatică

15. Voicu M., Lazăr C., Păstrăvanu O., Fuzzy PID control by using Shegalkin – polynomials. *International Workshop on Fuzzy Technologies in Automation and Intelligent Systems – „Fuzzy Duisburg '94”*, University of Duisburg (Germany), April 7-8, 1994; *Proceedings*, pp. 155-161.
16. Voicu M., On robustness of closed-loop poles nominally allocated in a specifiable domain. 11th International Conf. on Control Systems and Computer Science, *Politehnica University of Bucharest*, May 28-30 1997; *Proceedings*, vol. I, pp. 10-13.
17. Ferariu Lavinia, Voicu M., State feedback genetic controller. *Int. Symp. on Automatic Control and Computer Science (SACCS'98)*, *Technical University of Iasi*, Nov. 20-21, 1998; *Proceedings*, pp. 186-191.
18. Voicu M., An Extension in the PD Controller Case of an Asymptotic Stability Theorem of AQM Supporting Nonlinear TCP Flows. *Proceedings of the 3rd International Workshop Cyber Physical Systems (IWOCPS - 3)*, *Romanian Academy Bucharest*, May 29-30, 2014

d. Aplicarea metodei invarianței de flux în analiza și sinteza sistemelor dinamice, stabilitatea asimptotică (absolută) pe componente, robustețea stabilității asimptotice pe componente, stabilizarea pe componente, estimarea stării pe componente; sinteza sistemelor automate cu structură variabilă pe baza metodei invarianței de flux

19. Voicu M., State feedback matrices for linear constant dynamical systems with state constraints. *4th International Conf. on Control Systems and Computer Science*, Polytechnic Institute of Bucharest, 17- June 20, 1981; *Proceedings*, vol. I, pp. 110-115.
20. Voicu M., Stabilitatea pe componente a sistemelor dinamice liniare constante. *Lucrările celui de al III-lea Simpozion național de Modelarea, Simularea, Identificarea și*

- Optimizarea Proceselor Tehnologice*, Universitatea din Galați, 10-11 octombrie 1982, *Proceedings*, pp. 103-108.
21. Voicu M., O condiție necesară și suficientă de stabilitate asimptotică pe componente. *Lucrările primei Conferințe Naționale de Electronică, Telecomunicații, Automatică și Calculatoare*, Institutul Politehnic, București, 17-19 noiembrie 1982, vol. Teoria sistemelor, pp. 146-152.
 22. Voicu M., Bulea M., O posibilitate de alocare a polilor într-o regiune a planului complex prin programare liniară. *Lucrările primei Conferințe Naționale de Electronică, Telecomunicații, Automatică și Calculatoare*, Institutul Politehnic, București, 17-19 noiembrie 1982, vol. Teoria sistemelor, pp. 153-159.
 23. Voicu M., On the determination of the linear state feedback matrix. *5th International Conf. on Control Systems and Computer Science*, Polytechnic Institute of Bucharest, June 8-11, 1983; *Proceedings*, vol. I, pp. 119-123.
 24. Voicu M., Free response characterization via flow invariance. *9th World Congress of International Federation of Automatic Control*, Budapest, July 2-6, 1984; *Proceedings*, IFAC, vol. V, pp. 12-17.
 25. Voicu M., Evolution on control and state hyperintervals. *6th Int. Conf. on Control Systems and Computer Science*, Polytechnic Institute of Bucharest, May 22-25, 1985; *Proceedings*, vol. I, pp. 81-83.
 26. Voicu M., Structural properties of the spatial manipulating systems in connection with the state and control constraints. *1st IFAC Symp. on Robot Control*, Barcelona, Nov. 6-8 1985; *Proceedings*, IFAC, pp. 425-428.
 27. Voicu M., Asupra existenței ciclurilor limită. *Lucrările sesiunii științifice a Facultății de Electrotehnică*, Institutul Politehnic, Iași, 16-17 mai 1986, secția III, Analiza și sinteza sistemelor automate, pp. 39-43.
 28. Voicu M., On the application of the flow-invariance method in control theory and design. *10th World Congress of International Federation of Automatic Control*, Munich, July 26-31, 1987; *Proceedings*, IFAC, vol. VIII, pp. 364-369.
 29. Voicu M., Moroșan B. I., O teoremă privitoare la sistemele cu structură variabilă. *Lucrările celui de al II-lea Simpozion „Structuri, algoritmi și echipamente de conducere a proceselor industriale”*, Institutul Politehnic, Iași, 27-28 octombrie 1989, *Proceedings*, pp. 21-26.
 30. Voicu M., Moroșan B. I., Flow structure involving reaching of the sliding surface in variable structure systems. *International Conf. on Electrical Drives*, University of Brașov, 1991; *Proceedings*, G4.
 31. Voicu M., Moroșan, B. I., Flow invariance based characterization of quasi-sliding motion. *International Workshop on Applied Automatic Control*, Czech Technical University of Prague, May 17-22, 1993; *Proceedings*, pp. 86-89.
 32. Păstrăvanu O., Voicu M., Flow-invariant rectangular sets and componentwise asymptotic stability of interval matrix systems. *5th European Control Conference*, Karlsruhe, August 31 - Sept. 3, 1999; *Proceedings on CD*, rubicon-Agentur für digitale Medien, Aachen (Germany), 16 pag.
 33. Păstrăvanu O., Voicu M., Robustness analysis of componentwise asymptotic stability. *16th IMACS World Congress*, Lausanne, August 21-25, 2000; *Proceedings on CD*, imacs (ISBN 3 9522075 1 9), 16 pag.

34. Păstrăvanu O., Voicu M., Componentwise characterization of the free response for a class of nonlinear systems, *13th International Conf. on Control Systems and Computer Science, Politehnica University of Bucharest*, May 2001; *Proceedings*, pp. 50-55.
35. Păstrăvanu O., Voicu M., Dynamics of a class of nonlinear systems under flow-invariance constraints. *9th IEEE Mediterranean Conf. on Control and Automation (MED'01)*, Dubrovnik (Croatia), June 27-29, 2001; *Proceedings on CD* (ISBN 953 6037 35 1), Book of abstracts (ISBN 953 6037 34 3), *IEEE*, ©KoREMA (Zagreb), 6 pag.
36. Păstrăvanu O., Voicu M., Componentwise asymptotic stability of a class of nonlinear systems. *1st IFAC Symposium on System Structure and Control (SSSC 01)*, August 29-31, 2001, *Czech Technical University of Prague*; Book of Abstracts, p. 28; *Proceedings on CD, IFAC*, 078, 6 p.
37. Păstrăvanu O., Voicu M., Flow-invariance in exploring stability for a class of nonlinear uncertain systems. *6th European Control Conference (ECC 2001)*, Porto (Portugal), September 4-7, 2001, *Proceedings on CD* (ISBN 972-752-047-2), 6 pag.
38. Voicu M., Păstrăvanu O., Setting up the reference input in sliding motion control. *Int. Symp. on Automatic Control and Computer Science (SACCS 2001)*, Technical University of Iași, October 25-26, 2001; *Proceedings on CD*, 5 pag.
39. Păstrăvanu O., Voicu M., State feedback design for componentwise exponential asymptotic stability. *Int. Symp. on Automatic Control and Computer Science (SACCS 2001)*, Technical University of Iași, October 25-26, 2001; *Proceedings on CD*, 6 pag.
40. Pastravanu, O., Voicu, M., Norm-based approach to componentwise asymptotic stability, *11th IEEE Mediterranean Conference on Control and Automation MED'03*, Rhodes, Greece, *Abstracts* pp. 101 (ISBN 960-87706-0-20), CD-ROM (6 pg.), 2003
41. Păstrăvanu O., Voicu M., Componentwise stabilizability and detectability of linear systems. *7th European Control Conference (ECC 2003)*, September 1-4, 2003, *University of Cambridge, UK*; *Proceedings on CD*.
42. Păstrăvanu O., Voicu M., New results on the flow invariance of linear systems. *Int. Symp. on Automatic Control and Computer Science (SACCS 2004)*, Technical University of Iași, October 22-23, 2004; *Proceedings on CD, Editura Politehniuum* (ISBN 973 621 086 3), Iași; 5 pag.
43. Păstrăvanu O., Matcovschi M., Voicu M., Generalized diagonal stability – a system theoretic point of view. *Int. Symp. on Automatic Control and Computer Science (SACCS 2004)*, Technical University of Iași, October 22-23, 2004; *Proceedings on CD, Editura Politehniuum* (ISBN 973 621 086 3), Iași; 6 pag.
44. Păstrăvanu O., Matcovschi M.-H., Voicu M., Diagonally-invariant exponential stability. *16th World Congress of International Federation of Automatic Control*, Prague, July 4-8, 2005; *IFAC, Proceedings on CD*; 6 pp.
45. Păstrăvanu O., Matcovschi M.-H., Voicu M., time-dependent invariant sets in system dynamics. *IEEE Conf. on Control Application*, München, October 4-6, 2006; *IEEE, Proceedings on CD*; 6 pp.
46. Matcovschi M.-H., Păstrăvanu O., Voicu M., Invariant sets with arbitrary time dependence in the dynamics of linear systems with interval-type uncertainties. *16th Int. Conf. on Control Systems and Computer Science (CSCS 16)*, Session A12 – Design Methods (II), Bucharest, May 22-26, 2007; *Editura Printech* (ISBN 978-973-718-741-3, 978-973-718-742-02007), București; vol. I, pp. 663-668.

47. Păstrăvanu O., Matcovschi M.H., Voicu M., Majorant matrices in the qualitative analysis of interval dynamical systems. *European Control Conf. 2007*, Kos, Greece 2-5 July 2007; *Proceedings on CD*, 6p.
48. Voicu M., Matcovschi M. H., Păstrăvanu O., Invariant and contractive sets in motion stability analysis of a mobile robot. *4th IFAC Conf. on Management and Control of Production and Logistics MCPL 2007*, Sibiu, September 27- 30, 2007; Invited Session – *Advances in Control Methods for Robotics and Manufacturing Systems* (organizer: Voicu M.); *Proceedings* (ISBN 978-973-739-481-1), pp. 133-138. Elsevier, Papers on line, <http://www.ifac-papersonline.net/Detailed/39115.html>.
49. Păstrăvanu O., Matcovschi M., Voicu M., Contribuții la tehnicile de analiză și proiectare bazate pe mulțimi invariante. *Ediția a III-a a Conferinței Naționale a Academiei de Științe Tehnice din România*, Cluj-Napoca, 12-13 noiembrie 2008, pp. 247-258.
50. Păstrăvanu O., Matcovschi M., Voicu M., A Nagumo type result for linear dynamical systems. *Ediția a IV-a a Conferinței Naționale a Academiei de Științe Tehnice din România*, Iași, 19-20 noiembrie 2009; vol. 1, pp. 29-34.
51. Păstrăvanu O., Matcovschi M., Voicu M., Conceptul de măsură matriceală în Teoria Sistemelor. *Ediția a V-a a Conferinței Naționale a Academiei de Științe Tehnice din România*, Craiova, 28-29 septembrie 2010; pp. 281-288.
52. Matcovschi M., Păstrăvanu O., Voicu M., Eigenvalues ranges of interval matrices – on the practical use of a theorem estimating right outer bounds. *14th International Conference on System Theory and Control* (Joint conference of SINTES14, SACCS10, SIMSIS14), October 17-19, 2010 Sinaia, Romania. Proc., pp. 317-321.
53. Matcovschi M., Păstrăvanu O., Voicu M., On some properties of diagonally stable polytopic systems. In Voicu M. (ed.), *Proc. of the 15th Int. Conf. on System Theory, Control and Computing* (Joint conference of SINTES15, SACCS11, SIMSIS15), October 14-16, 2011, Sinaia, Romania; technically co-sponsored by IEEE Control Systems Society, www.ieee.org/conferences_events/conferences/conferencedetails/index.html?Conf_ID=19227. Editura Politehnicum, ISBN 978-973-621-322-9 (print), ISBN 978-973-621-323-6 (CD), ISBN 978-973-621-321-2; inclusă în IEEE-Xplore la http://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?sortType%3Dasc_p_Sequence%26filter%3DAND%28p_IS_Number%3A6085648%29&refinements=4281648465&pageNumber=1&resultAction=REFINE, Iași, 2011.
54. Păstrăvanu O., Budaciu Cristina, Voicu M., Fragility analysis for CWEAS state feedback control, *Proc. of the 16th Int. Conf. on System Theory, Control and Computing* (Joint conference of SINTES16, SACCS12, SIMSIS16), October 12-14, 2012, Sinaia, Romania; technically co-sponsored by IEEE Control Systems Society, www.ieeecss.org/conferences/16th-international-conference-system-theory-control-and-computing-icstcc2012; inclusă în IEEE Xplore la <http://ieeexplore.ieee.org/search/searchresult.jsp?queryText%3DSystem+Theory%2C+Control%2C+and+Computing+LB.ICSTCC.RB.%2C+2012&searchWithin=voicu&pageNumber=1&resultAction=REFINE>.
55. Păstrăvanu O., Matcovschi M., Voicu M., Feasible and equilibrium solutions to the closed Leontief model, *Proc. of the 17th Int. Conf. on System Theory, Control and Computing* (Joint conference of SINTES17, SACCS13, SIMSIS17), October 11-13, 2013, Sinaia, Romania; technically co-sponsored by IEEE Control Systems Society,

www.ieeecss.org/conferences/17th-international-conference-system-theory-control-and-computing-icstcc2013-0; inclusă în IEEE Xplore la <http://ieeexplore.ieee.org/search/searchresult.jsp?queryText%3DSystem+Theory%2C+Control%2C+and+Computing+.LB.ICSTCC.RB.%2C+2013&searchWithin=voicu&pageNumber=1&resultAction=REFINE>.

56. Matcovschi M., Păstrăvanu O., Voicu M., Outer bound estimations for the spectral radii of interval matrices, Proc. of the *18th Int. Conf. on System Theory, Control and Computing* (Joint conference of SINTES18, SACCS14, SIMSIS18), October 17-19, 2014, Sinaia, Romania; technically co-sponsored by IEEE Control Systems Society, www.ieee.org/conferences_events/conferences/conferencedetailsindex.html?Conf_ID=3755; inclusă în IEEE Xplore la <http://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?punumber=6961601>.
57. Pastravanu O., Matcovschi M.-H., Voicu M., Interval systems – Construction and Exploitation of Diagonal Lyapunov Functions. In Proceedings of the *19th Int. Conf. on System Theory, Control and Computing* (Joint conference of SINTES19, SACCS15, SIMSIS19), October 14-16, 2015, Cheile Gradistei, Romania; technically co-sponsored by IEEE Control Systems Society; în IEEE Xplore, <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=7321262>.
58. Păstrăvanu O., Matcovschi M., Voicu M., Asupra teoriei Perron-Frobenius aplicată sistemelor economice. *Zilele Academiei de Științe Tehnice din România „Orașul inteligent”, Universitatea „Petru Maior”, Târgu-Mureș, octombrie 2016. Proceedings „Zilele Academice ale ASTR”, ediția XI – 2016, ISSN 2066-6586*
59. Păstrăvanu O., Matcovschi M., Voicu M., Nouă abordare a stabilității exponențiale cu invarianță diagonală pentru sistemele cu comutație. „Sinergii strategice în Bazinul Mării Negre“, *Universitatea „Ovidius”, Constanța, octombrie 2017. Proceedings „Zilele Academice ale ASTR”, ediția a XII-a, 2016, ISSN 2066-6586.*
60. Pastravanu, O., Matcovschi, M.H., Voicu M., Generalization of a flow-invariance criterion. *21st International Conference on System Theory, Control and Computing (ICSTCC)*, 2017, IEEE Xplore.
61. Matcovschi, M.H., Pastravanu, O., Voicu, M., Enhancing the role of column representatives in testing the invariance properties of switching systems. *22nd International Conference on System Theory, Control and Computing (ICSTCC)*, IEEE Xplore, ISSN: 2372-1618, 2018, pp. 129-134, DOI: 10.1109/ICSTCC.2018.8540777 IEEE Xplore.

e. Analiza și sinteza sistemelor dinamice bazate pe modele nerecursive (analiza controlabilității stării, alocarea polilor, sinteza structurală, conducerea optimală)

62. Voicu M., Păstrăvanu O., Stepwise optimal control of linear continuous systems with unknown parameters. *7th International Conf. on Control Systems and Computer Science*, Polytechnic Institute of Bucharest, May 27-30, 1987; *Proceedings*, vol. I, pp. 210-215.
63. Voicu M., Păstrăvanu O., Optimal control of systems with unknown parameters using non-recursive linear models. *IEEE International Workshop on Intelligent Motion Control*, Bogazici University, Istanbul, Aug. 20-22, 1990; *Proceedings*, pp. 755-760.

64. Păstrăvanu O., Voicu M., Self-learning control using non-recursive linear models. *13th IMACS World Congress*, Dublin (Ireland), 1991; *Proceedings, IMACS*, vol. III, pp. 1041-1042.
65. Voicu M., Păstrăvanu O., Optimal control design based on non-recursive linear models. *3rd European Control Conference, Universita La Sapienza, Roma*, 5-8 September 1995; *Proceedings*, vol. 1, pp. 501-506.
66. Păstrăvanu O., Voicu M., State feedback control in a quasi-behavioural setting based on non-recursive models. *4th European Control Conference*, Brussels, July 1-4, 1997; Belware Information Technology, Waterloo (Belgium), *Proceedings on CD*, 16 pag.

f. Automatizări industriale și în electro- și termoelectrică

67. Voicu M., Trelea I.-C., Laboratory demonstration of H^∞ robust control of a 3-tank system, based on a high-level software package. *European Seminar on Automation and Control Technology Education – „EXACT 94”*, Dresden Technical University, April 11-12, 1994; *SEFI Documents* (Brussels), No. 11/1994 (ISBN 2 87352 015 9), pp. 71-76.

g. Sisteme de vedere artificială și recunoaștere a formelor cu aplicații în robotică

68. Bejan I., Voicu M., Lazăr C., Leca M., Pal C., Asandei D., Păstrăvanu O., On visual information acquisition for pattern recognition. *7th International Conf. on Control Syst. and Computer Sci.*, Polytechnic Institute of Bucharest, May 27-30, 1987; *Proceedings*, vol. III, pp. 214-218.
69. Bejan I., Voicu M., Lazăr C., Pal C., Asandei D., Leca M., Popescu D., Aspecte ale pre-și postprocesării imaginilor TV pentru sisteme cu inteligență artificială. *Lucrările celei de a III-a Conferințe Naționale de Cibernetică*, București, 3-4 octombrie 1985; *Editura Academiei*, București, 1987, pp. 605-609.
70. Lazăr C., Voicu M., Păstrăvanu O., Microcomputer-based vision systems. *3rd Internat. Conf. on Automatic Image Processing*, University of Leipzig, Sept. 8-10, 1989; *Proceedings*, pp. 21-23.
71. Păstrăvanu O., Sîrbu A., Lazar C., Voicu M., Pattern recognition using nonlinear fast transforms implemented on 8 bit microcomputers. *8th International Conference on Control Systems and Computer Science*, Politehnica University of Bucharest, May 22-25, 1991, *Proceedings*, pp. 27 - 30.

h. Roboți industriali, sisteme de fabricație flexibile integrate cu calculatorul și rețele de calculatoare pentru programare și instruire

72. Voicu M., Pănescu D., Păstrăvanu O., Dumbravă Șt., Răsmeriță Șt., CIM systems – a new trend in control engineering education. *Global Congress on Engineering Education*, University of Krakow (Poland), Sept. 6-11, 1998; *Proceedings*, pp. 337-341.
73. Pănescu D., Voicu M., Dumbravă Șt., Ifrim S., Brăescu C., Ninu A., A vision based robot control module integrated in a training CIM system. *3rd Working Conference on Engineering Education “Engineering Education for the 21st Century”*, April 17-20, 2000, Hallam University, Sheffield (Great Britain); *Proceedings* (ISBN 0 86339 905 3), pp. 199-204.

74. Voicu M., Pănescu, D., Dumbravă, St., Combining AI with simulation techniques in CIM control. Proc. 9th IFAC/IFORS/IMACS/IFIP Symposium on Large Scale Systems (LSS 2001), Institute of Informatics (ISBN 973 98407 8 7), Bucharest, July 18-20, 2001; Invited session – *Large scale CIM, from education to industrial application*. In: Filip F.G. et al. (Eds), *Large Scale Systems: Theory and Applications 2001 (LSS'01)*, Elsevier Science Ltd. (Pergamon) (ISBN: 0—08-043691 9), Oxford, pp. 190-195.

i. Dezvoltarea științei, învățământului și cercetării științifice

75. Voicu M., Marcu T., The integration of computer science topics – clue of education in control engineering. *Workshop on Computer Science Topics for Control Engineering Education, Vienna University of Technology*, Sept. 13-15, 1993; *SEFI Documents* (Brussels), No. 10/1993 (ISBN 2 87352 012 4), Brussels, pp. 7-12.
76. Voicu M., Moroșan B.-I., Teaching fundamentals of automatic control and system theory. *European Seminar on Automation and Control Technology Education – „EXACT 94”*, *Technical University of Dresden*, April 11-12, 1994; *SEFI Documents* (Brussels), No. 11/1994 (ISBN 2 87352 015 9), pp. 44-50.
77. Păstrăvanu O., Voicu M., East-West academic cooperation within the framework of TEMPUS-PHARE program. *IFAC Conf. on Supplemental Ways for Improving International Stability (SWIIS '98)*, Sinaia, May 14-16, 1998; *Proceedings, IFAC*, pp. 119-124.
78. Frank, P. M., Voicu M., Possibilities for Romanian students to perform study periods at Duisburg University. *Workshop „European experience in student counselling for study periods abroad”*, *Vienna University of Technology*, February 5-6, 1999; *Suppl. of Proceedings*, 4 pag.
79. Voicu M., Păstrăvanu, O., COMPANION's contribution to the development of student mobility schemes at Technical University of Iași. *Workshop „European experience in student counselling for study periods abroad”*, *Vienna University of Technology*, February 5-6, 1999; *Proceedings*, pp. 87-90.
80. Ganciu, T., Voicu M., Organisational structure and responsibilities of the international office of „Gh. Asachi” Technical University of Iași. *Workshop „European experience in student counselling for study periods abroad”*, *Vienna University of Technology*, February 5-6, 1999; *Proceedings*, pp. 59-62.
81. Voicu M., Sinuous ways of knowledge. Third Int. Conf. on Romania and Romanians in contemporary science, *Academia Română & Fundația Culturală Română*, Sinaia, 13-17.06.2001.

j. Evaluarea și asigurarea calității educației

82. Onea, A., Voicu M., Ganciu, T., Different approaches to quality management systems in higher education. *International Workshop „Quality Management Systems at Universities”*, *Vienna University of Technology*, Nov. 17-18, 2000; *Proceedings*, ISBN 3 901888 16 0, pp. 121-128.
83. Onea, A., Ganciu, Voicu M., Development of procedures for quality management system. *International Workshop „Quality Management Systems at Universities”*, *Vienna University of Technology*, Nov. 17-18, 2000; *Proceedings*, ISBN 3 901888 16 0, 129-134.

84. Păstrăvanu, O., Voicu M., Experience in teaching physical modeling by the bond-graph method. *16th Int. Conf. on Control Systems and Computer Science*, Invited Session – IS10 *Control Education* (organizer: Voicu M.), Bucharest, May 22-26, 2007; *Proc. on CD; Proceeding CSCS - 16, Editura Printech*, 2007 (ISBN 978-973-718-741-3, ISBN 978-973-718-742-0), București, vol. I, pp. 621-626.
85. Seghedin N., Voicu M., Todorean D., Marian S., Using the weighted cause – effect diagram in the process of quality assurance in higher education. In *Proc. of the 6th Int. Seminar “Quality Management in Higher Education”*, July 8-9, 2010, Tulcea, Romania.
86. Seghedin N., Voicu M., Todorean D., Marian S., Ways to development of the quality culture in universities. In *Proc. of the 6th Int. Seminar “Quality Management in Higher Education”*, July 8-9, 2010, Tulcea, Romania.
87. Georgieva P., Lache S., Bulgaru M., Oltean S., Voicu M., Guliciuc V, Internal quality assurance within Romanian higher education institutions – a guide; 52 pp, 2008. *Project PHARE TVET 2005/017 – 553.04.01.02.04.01.03*. Coordinator: Georgieva P., WYG International, Bucharest.
88. Voicu M., Nedevschi S., Crețu Vl., Raport de sinteză privind evaluarea internă și externă a specializării de calculatoare, 86 pag, 2009. *Project PHARE 2006/018-147.05.01*, 2009, *Quality education for Labor Market*, coordonatori: Korca M.,; contractor: Asociația: Mott MacDonald Limited, SC Educația 2000+ Consulting SRL și Fundația Centrul Educația 2000+; București.