

**Lucrări științifice prezentate la conferințe internaționale cu comitet de program**

<b>Nr. crt.</b>	<b>Comunicarea</b>	<b>Conferința</b>	<b>Autor Institutul .....</b>
<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>
<b>Anul 2005</b>			
1	QFT robust control of a wastewater treatment process	16th IFAC World Congress, Prague, Czech Republic, July 4-8, 2005, Preprints CD-ROM	<b>Barbu, M., Caraman, S., Ceanga, E.</b> SMC Manager SA, Universitatea "Dunarea de Jos" Galati
2	A Two Loop Optimal Control of Flexible Drive Train Variable Speed Wind Power System	16th IFAC World Congress, Prague, Czech Republic, July 4-8, 2005, Preprints CD-ROM	Munteanu, I., Bratcu, A.I., Cutululis, N.A., <b>Ceanga, E.</b> SMC Manager SA, Universitatea "Dunarea de Jos" Galati
3	Robust multimodel control using qft techniques of a wastewater treatment process	CSCS2005, Bucuresti, Romania, May 25-27, 2005, Preprints CD-ROM	<b>Caraman, S., Barbu, M., Ceanga, E.</b> SMC Manager SA, Universitatea "Dunarea de Jos" Galati
4	Control Strategies of a Multivariable Wastewater Treatment Process. Comparative Study	Workshop on Modeling and Control of Complex Systems, Ayia Napa, Cyprus, June 30 – July 1, 2005, Proc. CD-ROM	<b>Barbu, M., Caraman, S., Ceanga, E.</b> SMC Manager SA, Universitatea "Dunarea de Jos" Galati
5	Multivariable Control of a MIMO Wastewater Treatment Process	International Conference for Young Professionals: Innovations in The Field of Water Supply, Sanitation and Water Quality Management, Bucuresti, Romania, June 15-17, 2005, Proc. pp. 421-429, ISBN 973-0-03972-0	<b>Barbu, M., Caraman, S., Ceanga, E.</b> SMC Manager SA, Universitatea "Dunarea de Jos" Galati
6	The Identif. of a Wastewater Proc. Based on Genetic Alg.	IEEE Int. Workshop on Soft Computing Applic., 27 - 30 August, 2005, Szeged-Hung & Arad-Rom	<b>Caraman, S., Belea, R., Barbu, M.</b> SMC Manager SA, Universitatea "Dunarea de Jos" Galati
7	Sisteme bazate pe cunostinte în conducerea proceselor	(Carte) Editura Fundatiei Universitatii Dunarea de Jos din Galati, ISBN 973-627-203-6, 2005, pp. 120	<b>Caraman, S., Barbu, M.</b> SMC Manager SA, Universitatea "Dunarea de Jos" Galati Carstoiu, D. Universitatea Politehnica Bucuresti

			SMC Manager SA,
8	Bioprocess Control Using a Recurrent Neural Network Model	20 <sup>th</sup> IEEE International Symposium on Intelligent Control (ISIC 2005), Limassol, Cyprus, June 27-29, 2005, Proc. CD-ROM	<b>Barbu, M., Caraman, S., Ceanga, E.</b> Universitatea "Dunarea de Jos" Galati SMC Manager SA
	<b>Anul 2006</b>		
9	Sliding-Mode Observer for a Wastewater Treatment Process	Proceedings of the 7th International Conference On Technical Informatics, CONTI 2006, ISBN 973-625-319-8, Vol. 1, Pp. 67-70, Timisoara, 8-9 Iunie, 2006	<b>Barbu, M., Caraman, S.</b> SMC Manager SA, Universitatea "Dunarea de Jos" Galati
10	Robust Multivariable Control Of A Wastewater Treatment Process Based On The RGA Analysis Of Input/Output Influences	Petrol-Gaze University of Ploiesti Scientific Bulletin, Vol. LVIII, Nr. 1, ISSN 1224-8495, Pp. 79-84, 2006	<b>Barbu, M., Caraman, S.</b> SMC Manager SA, Universitatea "Dunarea de Jos" Galati
11	Wastewater Treatment Process Identification Based on the Calculus of State Variables Sensibilities with respect to the Process Coefficients	IEEE-TTTC International Conference on Automation, Quality and Testing, Robotics, AQTR 2006, Cluj-Napoca, Proceedings IEEE Tome 2, Pp. 199-204, ISBN 1-4244-0360-X, 2006	<b>Barbu, M., Caraman, S.,</b> SMC Manager SA, Dumitrascu, G., Universitatea "Dunarea de Jos" Galati
12	Predictive control of a wastewater treatment process	1 <sup>st</sup> IFAC Workshop on Applications of Large Scale Industrial Systems - ALSIS' 06, August 30-31, Proceedings on the CD-ROM, 2006, ISBN 952-5183-28-9	<b>Caraman, S.</b> SMC Manager SA, Universitatea "Dunarea de Jos" Galati Sbarciog, M. Ghent University <b>Barbu, M.</b> Universitatea "Dunarea de Jos" Galati
13	Modelarea si conducerea proceselor biotehnologice. Licrari practice. Vol I. Modelarea si estimarea starii proceselor biotehnologice	(Carte) Editura Fundatia Universitatii Dunarea de Jos – Galati, 2006, pp. 150	<b>Caraman, S., Barbu, M.,</b> SMC Manager SA, Universitatea "Dunarea de Jos" Galati
14	LQ Optimal Control of Wind Turbines in Hybrid Power Systems	European Wind Energy Conference, EWEC '06, 27 February - 2 March, 2006, Athens, Greece	Cutululis, N.A. Bindner, H., Risoe Institute Munteanu, I., Bratcu, A.I., <b>Ceanga, E.</b> Universitatea "Dunarea de Jos" Galati Sørensen, P. Risoe Institute SMC Manager SA,
15	Nonlinear active power filter	Proceedings of International conference on "Electrical and Control Technologies 2006", ECT 2006, ISBN 9955-25-054-2, Lituania, 2006	Culea, M., Dumitriu, T., Munteanu T., <b>Ceangă E.</b> Universitatea "Dunarea de Jos" Galati SMC Manager SA,
16	Friction Compensation for	3rd International Conference on Electrical and	Dumitriu, T., Culea,

	Accurate Positioning in DC Drive Tracking System	Electronics Engineering ICEEE 2006, ISBN 1-4244-0403-7, Veracruz IEEE, Mexic, sept., 2006	M., Munteanu T., <b>Ceangă E.</b> Universitatea "Dunarea de Jos" Galati SMC Manager SA,
17	HIL Simulation Technique for Non-Model Based Control of DC Servo-Drive with Friciton	International Control Conference ICC2006, ISBN 0 947649549, Glasgow, Scotland, UK, aug., 2006	Dumitriu, T., Culea, M., Munteanu T., <b>Ceangă E.</b> Universitatea "Dunarea de Jos" Galati SMC Manager SA,
18	On Conversion and Symbolic Computation of Modelica Declarative Models with Matlab	Proceedings of th Industrial Simulation Conference, ISC' 2006, June 57 2006, University of Palermo, Palermo, Italy, pages 237-241	Aiordachioaie D., <b>Ceanga E.</b> , Sirbu G. Universitatea "Dunarea de Jos" Galati SMC Manager SA,
19	Dynamic Performances of Control Structures for Wind-Diesel Systems without Storage	The 1-st International Symposium on Electrical and Electronics Engineering- ISEEE, Galati, Romania, Oct. 13-14, 2006, Proceedings. pp. 150-155, ISBN (10) 973-627-325-3	Vlad,C. Universitatea "Dunarea de Jos" Galati Cutululis,N.A., Lefebvre,J, Risoie Institute <b>Ceanga, E.</b> Universitatea "Dunarea de Jos" Galati SMC Manager SA,
20	Wind Turbine Simulator based on DSP Control Structure for Wind Energy Conversion Study on the Isolated Site	The 1-st International Symposium on Electrical and Electronics Engineering- ISEEE, Galati, Romania, Oct. 13-14, 2006, Proceedings. CD, ISBN (10) 973-627-325-3	I Mokadem M., C. Nichita, B. Dakyo Le Havre University <b>E. Ceanga</b> Universitatea "Dunarea de Jos" Galati SMC Manager SA,
21	Non-model-based observer for friction compensation in servo drive position tracking	Proceedings of Optimization of Electrical and Electronic Equipments OPTIM'06 conference, vol.3 pp.23-30, ISBN: 973-635-702-3/978-973-635-702-2, <b>Braşov IEEE, 2006</b>	Dumitriu, T., Culea, M., Munteanu T., <b>Ceangă E.</b> Universitatea "Dunarea de Jos" Galati SMC Manager SA,
	<b>Anul 2007</b>		
22	Design of a Sliding-Mode Observer for a Biotechnological Process	CAB' 2007, Cancun Mexico, pp. 215– 220	<b>Barbu, M., Caraman, S.</b> SMC Manager SA, Universitatea "Dunarea de Jos" Galati
23	QFT Multivariabil Control of a Biotechnological Wastewater Treatment Process Using ASM1 Model	CAB' 2007, Cancun Mexico, pp. 291– 296	<b>Barbu, M., Caraman, S.</b> SMC Manager SA, Universitatea "Dunarea de Jos" Galati
24	Decentralized Multimodel Control of a Wastewater Treatment Process with Actvated Sludge	Proceedings CSCS 16, 22 – 25 May, 2007, Vol. 1, pp. 49 – 55 ISBN 978-973-718-741-3, ISBN 978-973-718-742-0	<b>Barbu, M., Caraman, S.</b> SMC Manager SA, Universitatea "Dunarea de Jos"

			Galati
25	The Linearizing Control of a Wastewater Treatment Process with the Removal of Two Substrates	SINTES 13, 18-20 Oct., 2007, Craiova, Romania, pp. 66-71	<b>S. Caraman, M. Barbu</b> , E. Arinton SMC Manager SA, Universitatea "Dunarea de Jos" Galati
26	Modelarea si conducerea proceselor biotehnologice. Licrari practice. Vol II. Conducerea automata proceselor biotehnologice	(Carte) Editura CERMI – Iasi, pp. 144	<b>Caraman, S., Barbu, M.</b> , SMC Manager SA, Universitatea "Dunarea de Jos" Galati
27	Energetic Optimization of Variable Speed Wind Energy Conversion Systems by Extremum Seeking Control	Proceedings of the IEEE Region 8 EUROCON 2007 International Conference on Computer as a Tool, IEEE, ISBN 1-4244-0813-X, pp. 2536-2541	Bratcu A.I., Munteanu I., <b>Ceanga E.</b> , Epure S. Universitatea "Dunarea de Jos" Galati SMC Manager SA,