

Indicatori de merit si conditii minimale

1. Structura activității candidatului						
Nr. crt.	Domeniul activităților	Categoriile și restricțiile		Subcategoriile		Indicatori (kpi)
0	1	2	3	4		5
1	Activitatea didactică și profesională (A1)	Carti și capitole în carti de specialitate în edituri recunoscute	Carti/ monografii/ capitole ca autor;	A1.1.1	internationale	35.42
				A1.1.2	nationale	50.00
		Material didactic / Lucrari didactice	Manuale didactice	A1.2.1		40.00
TOTAL criteriul A1						125.42
2	Activitatea de cercetare (A2)	Articole în reviste cotate ISI și în volumele unor manifestări științifice indexate ISI		A2.1		711.07
				A2.2		119.67
		Proprietate intelectuală, brevete de invenție, certificate ORDA		A2.3.1	internationale	
				A2.3.2	nationale	
		Granturi / proiecte castigate prin competitie	Director/ responsabil	A2.4.1.1	internationale	20.00
				A2.4.1.2	nationale și locale	72.00
			Membru în echipă	A2.4.2.1	internationale	20.00
				A2.4.2.2	nationale	8.00
TOTAL criteriul A2						950.74
3	Recunoașterea și impactul activității (A3)	Citări în carti, reviste și volume ale unor manifestări științifice		A3.1.1	carti, ISI	777.60
				A3.1.2	BDI	23.47
		Membru în colectivele de redacție sau comitete științifice al revistelor, organizator de manifestări științifice, internaționale indexate ISI		A3.2		80
				A3.3		12
Premii în domeniu conferite de Academia Română, ASTR, AOSR sau premii internaționale de prestigiu		A3.4		39		
TOTAL criteriul A3						932.07
Indicator de merit (A1 + A2 + A3)						2008.22

Indicatori de merit si conditii minimale

3. Conditii minimale (A_i)			
Nr. crt.	Domeniul de activitate	Conditii minimale profesor	Punctaj realizat
A1	Activitatea didactică / profesională (A1)	100	125.42
A2	Activitatea de cercetare (A2)	600	950.74
A3	Recunoaşterea impactului activităţii (A3)	150	932.07
TOTAL (A)		850	2008.22

Conditii minimale obligatorii pe subcategorii		Profesor	Realizat
A1.1.1 - A1.1.2	Carti de specialitate	1 carte	2
A2.1	Articole in reviste cotate si in volumele unor manifestari stiintifice indexate ISI proceedings	15	45
		din care minimum 3 in reviste cotate ISI Q1 sau Q2	16
A2.4.1	Granturi/proiecte castigate prin competitie (Director/ responsabil)	2	4
A3.1.1 - A3.1.2	Numar de citări in carti, reviste si volume ale unor manifestari stiintifice ISI	25	360
	Factor de impact cumulat pentru publicatii	10	47.52

A1. Activitatea didactica si profesionala

Nr. crt.	A1.1. Carti si capitole de specialitate	Editura	An	National / International	Nr. Aut	Punctaj	Nr. Worldcat
1	V. Estrada-Manzo, Zs. Lendek, T.M. Guerra, Observer Design for Robotic Systems via Takagi-Sugeno Models and Linear Matrix Inequalities, in Handling Uncertainty and Networked Structure in Robot Control, L. Busoniu, L. Tamas, Springer International Publishing Switzerland, 2015	Springer	2015	International	3	4.17	30.00
2	Zs. Lendek, P. Raica, J. Lauber, T. M. Guerra, Observer Design for Discrete-Time Switching Nonlinear Models. In Hybrid Dynamical Systems, series Lecture Notes in Control and Information Sciences, M. Djemai, M. Defoort, Editors, vol. 457, pages 27-58	Springer	2015	International	4	6.25	60.00
3	Zsofia Lendek, Nonlinear control using TS models, UTPress, 2013, ISBN 978-973-662-880-1	UTPress	2013	National	1	50.00	30.00
4	Zs. Lendek, T. M. Guerra, R. Babuska, and B. De Schutter. "Stability analysis and nonlinear observer design using Takagi-Sugeno fuzzy models", Springer Germany, Series "Studies in Fuzziness and Soft Computing", Vol. 262, ISBN 978-3-642-16775-1.	Springer	2011	International	4	25.00	584.00
TOTAL (carti)			4			85.42	

Nr. crt.	A1.2. Lucrari didactice	Editura	An	National / International	Nr. Aut	Punctaj
1	Zs. Lendek, Optimization exercises, UTPress, 2013, ISBN 978-973-662-853-5	UTPress	2013	National	1	40.00
TOTAL (lucrari didactice)			1			40.00

A2. Activitatea de cercetare

Nr. crt.	A2.1. Articole in reviste ISI	Revista	ISI Q	An	Factor de impact	Numar de autori	Punctaj
1	Zs. Lendek, Z. Nagy, J. Lauber, Local stabilization of discrete-time TS descriptor systems. <i>Engineering Applications of Artificial Intelligence</i> , vol. 67, pages 409-418, 2018	<i>Engineering Applications of Artificial Intelligence</i>	Q1	2018	2.819	3	36.52
2	V. Estrada-Manzo, T. M. Guerra, Zs. Lendek, Generalized observer design for discrete-time T-S descriptor models. <i>Neurocomputing</i> , vol. 182, pages 210-220, 2016.	<i>Neurocomputing</i>	Q1	2016	3.317	3	41.50
3	Zs. Lendek, P. Raica, J. Lauber, T. M. Guerra, Finding a stabilizing switching law for switching TS models. <i>International Journal of Systems Science</i> , vol. 47, pages 2762–2772, 2016.	<i>International Journal of Systems Science</i>	Q1	2016	2.285	4	23.39
4	V. Estrada-Manzo, Zs. Lendek, T. M. Guerra, Ph. Pudlo, Controller design for discrete-time descriptor models: a systematic LMI approach. <i>IEEE Transactions on Fuzzy Systems</i> , vol. 23 , no. 5, pages 1608–1621, 2015	<i>IEEE Transactions on Fuzzy Systems</i>	Q1	2015	8.746	4	71.85
5	Zs. Lendek, T. M. Guerra, J. Lauber, Controller design for TS models using non-quadratic Lyapunov functions. <i>IEEE Transactions on Cybernetics</i> , vol. 45 , no. 3, pages 453–464, 2015	<i>IEEE Transactions on Cybernetics</i>	Q1	2015	3.469	3	43.02
6	T. M. Guerra, V. Estrada-Manzo, Zs. Lendek, Observer design for Takagi-Sugeno descriptor models: an LMI approach. <i>Automatica</i> , vol. 52 , no. 2, pages 154–159, 2015.	<i>Automatica</i>	Q1	2015	3.02	3	38.53
7	P. Stano, A. den Dekker, Zs. Lendek, R. Babuska, Convex saturated particle filter. <i>Automatica</i> , vol. 50 , no. 10, pages 2494–2503, 2014	<i>Automatica</i>	Q1	2014	3.132	4	29.74
8	Lendek, Z.; Raica, P.; Schutter, B. D. & Babuska, R. (2014), 'Analysis and design for continuous-time string-connected Takagi-Sugeno systems', <i>Journal of the Franklin Institute</i> , vol. 351, pages 3577–3592	<i>Journal of the Franklin Institute</i>	Q1	2014	2.418	4	24.39
9	Zs. Lendek, A. Sala, P. Garcia, R. Sanchis, Experimental application of Takagi-Sugeno observers and controllers in a nonlinear electromechanical system. <i>Journal of Control Engineering and Applied Informatics</i> , vol. 15 , no. 4, pages 3–14, 2013	<i>Journal of Control Engineering and Applied Informatics</i>	Q4	2013	0.371	4	9.03
10	Lendek, Z.; Lauber, J. & Guerra, T. M. (2013), 'Periodic Lyapunov functions for periodic TS systems', <i>Systems & Control Letters</i> 62(4), 303--310.	<i>Systems & Control Letters</i>	Q2	2013	1.667	3	25.00
11	Stano, P.; Lendek, Z. & Babuska, R. (2013), 'Saturated Particle Filter: Almost Sure Convergence and Improved Resampling', <i>Automatica</i> 49(1), 147--159.	<i>Automatica</i>	Q1	2013	2.919	3	37.52
12	Stano, P.; Lendek, Z.; Braaksma, J.; Babuska, R. & de Keizer, C. (2013), 'Parametric Bayesian adaptive filters for nonlinear stochastic dynamical systems: A survey', <i>Systems Man and Cybernetics: Part C</i> , vol. 43, no. 6, pages 1607–1624	<i>IEEE Transactions on Cybernetics</i>	Q1	2013	2.548	5	20.29
13	Lendek, Z.; Babuska, R. & Schutter, B. D. (2011), 'Sequential stability analysis and observer design for distributed TS fuzzy systems', <i>Fuzzy Sets and Systems</i> 174(1), 1–30.	<i>Fuzzy Sets and Systems</i>	Q1	2011	1.749	3	25.82
14	Lendek, Z.; Babuska, R. & Schutter, B. D. (2010), 'Stability bounds for fuzzy estimation and control', <i>Journal of Control Engineering and Applied Informatics</i> 12(3), 3-12.	<i>Journal of Control Engineering and Applied Informatics</i>	Q4	2010	0.202	3	10.35
15	Lendek, Z.; Lauber, J.; Guerra, T.-M.; Babuska, R. & Schutter, B. D. (2010), 'Adaptive observers for TS fuzzy systems with unknown polynomial inputs', <i>Fuzzy Sets and Systems</i> 161(15), 2043--2065.	<i>Fuzzy Sets and Systems</i>	Q1	2010	1.749	5	15.49

A2. Activitatea de cercetare

16	Lendek, Z.; Babuska, R. & Schutter, B. D. (2009), 'Stability of Cascaded Fuzzy Systems and Observers', IEEE Transactions on Fuzzy Systems 17(3), 641--653.	IEEE Transactions on Fuzzy Systems	Q1	2009	5.484	3	63.17
17	Lendek, Z.; Babuska, R.; Braaksma, J. & de Keizer, C. (2008), 'Decentralized Estimation of Overflow Losses in a Hopper-Dredger', Control Engineering Practice 16(4), 392-406.	Control Engineering Practice	Q2	2008	1.669	4	18.77
18	Lendek, Z.; Babuska, R. & Schutter, B. D. (2008), 'Distributed Kalman Filtering for Cascaded Systems', Engineering Applications of Artificial Intelligence 21(3), 457-469.	Engineering Applications of Artificial Intelligence	Q1	2008	1.625	3	24.58
TOTAL (articole in reviste ISI)			18	16	40.77		457.57

A2. Activitatea de cercetare

Nr. crt.	A2.1. Articole ISI Proceedings	Conferinta ISI	An	Factor de impact echiv	Numar de autori	Punctaj
1	Laurain, T., Lauber, J., Lendek, Zs., Palhares, R. Air-fuel ratio fuzzy controller handling delay: Comparison with a PI/Smith, In Proceedings of the 2018 IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR), 2018, 1-6	2018 IEEE International Conference on Automation, Quality and Testing, Robotics	2018	0.25	4	8.13
2	T. Laurain, Zs. Lendek, J. Lauber, R. M. Palhares, A new air-fuel ratio model fixing the transport delay: validation and control. In Proceedings of the 2017 IEEE Conference on Control Technology and Applications, pages 1904-1909, Hawaii, USA, August 2017.	2017 IEEE Conference on Control Technology and Applications	2017	0.25	4	8.13
3	Z. Nagy, E. Pall, Zs. Lendek, Unknown input observer for a robot arm using TS fuzzy descriptor models. In Proceedings of the 2017 IEEE Conference on Control Technology and Applications, pages 939-944, Hawaii, USA, August 2017.	2017 IEEE Conference on Control Technology and Applications	2017	0.25	3	10.83
4	B. Marx, Zs. Lendek, Local observer design for discrete-time TS systems. In Preprints of the 2017 IFAC World Congress, pages 873-878, Toulouse, France, July 2017	2017 IFAC World Congress	2017	0.25	2	16.25
5	S. Beyhan, F. Sarabi, Zs. Lendek, R. Babuska, Takagi-Sugeno fuzzy payload estimation and adaptive control. In Preprints of the 2017 IFAC World Congress, pages 867-872, Toulouse, France, July 2017.	2017 IFAC World Congress	2017	0.25	4	8.13
6	Zs. Lendek, J. Lauber, Local quadratic and nonquadratic stabilization of discrete-time TS fuzzy systems. In Proceedings of the 2016 IEEE World Congress on Computational Intelligence, pages 2182-2187, Vancouver, Canada, July 2016.	2016 IEEE World Congress on Computational Intelligence	2016	0.25	3	10.83
7	N. Hodasz, V. Bradila, I. Nascu, Zs. Lendek, Modeling and parameter estimation for an activated sludge wastewater treatment process. In Proceedings of the 2016 IEEE International Conference on Automation, Quality and Testing, Robotics, pages 1-6, Cluj-Napoca, Romania, May 2016	2016 IEEE International Conference on Automation, Quality and Testing, Robotics	2016	0.25	4	8.13
8	V. Estrada-Manzo, Zs. Lendek, T. M. Guerra, Unknown input estimation for nonlinear descriptor systems via LMIs and Takagi-Sugeno models. 54th IEEE Conference on Decision and Control, pages 1-6, Osaka, Japan, December 2015.	54th IEEE Conference on Decision and Control	2015	0.25	3	10.83
9	V. Estrada-Manzo, T. M. Guerra, Zs. Lendek, Static output feedback control for continuous-time TS descriptor models: decoupling the Lyapunov function. In Proceedings of the 2015 IEEE International Conference on Fuzzy Systems, pages 1-6, Istanbul, Turkey, August 2015.	2015 IEEE International Conference on Fuzzy Systems	2015	0.25	3	10.83
10	Estrada-Manzo, Victor; Guerra, Thierry Marie; Lendek, Zsofia (2014), An LMI approach for observer design for Takagi-Sugeno descriptor models, IEEE International Conference on Automation, Quality and Testing, Robotics (THETA), pp 1-6	IEEE International Conference on Automation, Quality and Testing, Robotics	2014	0.25	3	10.83
11	Estrada-Manzo, Victor; Guerra, Thierry Marie; Lendek, Zsofia; Puddlo, Philippe (2013), Improvements on Non-Quadratic Stabilization of Continuous-Time Takagi-Sugeno Descriptor Models, IEEE International Conference on Fuzzy Systems (FUZZ), pp. 1-6	IEEE International Conference on Fuzzy Systems	2013	0.25	4	8.13

A2. Activitatea de cercetare

12	Lendek, Zsofia; Lauber, Jimmy; Guerra, Thierry Marie, Raica, Paula (2013), IEEE International Conference on Fuzzy Systems (FUZZ) , pp. 1--6	IEEE International Conference on Fuzzy Systems	2013	0.25	4	8.13
13	Beyhan, Selami; Lendek, Zsofia; Alci, Musa, Babuska, Robert, Takagi-Sugeno Fuzzy Observer and Extended-Kalman Filter for Adaptive Payload Estimation, 9th Asian Control Conference (ASCC)	9th Asian Control Conference (ASCC)	2013	0.25	4	8.13
14	Nagesh, S. B.; Lendek, Z.; Khalate, A. A. & Babuska, R. (2012), Adaptive fuzzy observer and robust controller for a 2-DOF robot arm, in 'Proceedings of the 2012 IEEE World Congress on Computational Intelligence, IEEE International Conference on Fuzzy Systems', pp. 149--155.	2012 IEEE World Congress on Computational Intelligence, IEEE International Conference on Fuzzy Systems	2012	0.25	4	8.13
15	Lendek, Z.; Guerra, T. M. & Lauber, J. (2012), Construction of extended Lyapunov functions and control laws for discrete-time TS systems, in 'Proceedings of the 2012 IEEE World Congress on Computational Intelligence, IEEE International Conference on Fuzzy Systems', pp. 286--291.	2012 IEEE World Congress on Computational Intelligence, IEEE International Conference on Fuzzy Systems	2012	0.25	3	10.83
16	Beyhan, S.; Lendek, Z.; Babuska, R.; Wisse, M. & Alci, M. (2011), Adaptive Fuzzy and Sliding-Mode Control of a Robot Manipulator with Varying Payload Mass, in 'Proceedings of the 2011 Conference on Decision and Control and European Control Conference.', pp. 8291 -- 8296.	2011 Conference on Decision and Control and European Control Conference	2011	0.25	5	6.50

A2. Activitatea de cercetare

17	Lendek, Z.; Berna, A.; Guzmán-Giménez, J.; Sala, A. & García, P. (2011), Application of Takagi-Sugeno observers for state estimation in a quadrotor, in 'Proceedings of the 2011 Conference on Decision and Control and European Control Conference.', pp. 7530 -- 7535.	2011 Conference on Decision and Control and European Control Conference	2011	0.25	5	6.50
18	Stano, P.; Lendek, Z. & Babuska, R. (2011), Saturated Particle Filter, in 'Proceedings of the American Control Conference', pp. 1819 -- 1824.	American Control Conference	2011	0.25	3	10.83
19	Cara, A. B.; Lendek, Z.; Babuska, R.; Pomares, H. & Rojas, I. (2010), Online self-organizing adaptive fuzzy controller: application to a nonlinear servo system, in 'Proceedings of the IEEE World Congress on Computational Intelligence', pp. 2491--2498.	IEEE World Congress on Computational Intelligence	2010	0.25	5	6.50
20	Lendek, Z.; Babuska, R. & Schutter, B. D. (2010), Fuzzy models and observers for freeway traffic state tracking, in 'Proceedings of the American Control Conference', pp. 2278--2283.	American Control Conference	2010	0.25	3	10.83
21	Lendek, Z.; Guerra, T.-M. & Babuska, R. (2010), On non-PDC local observers for TS fuzzy systems, in 'Proceedings of the IEEE World Congress on Computational Intelligence', pp. 2436--2442.	IEEE World Congress on Computational Intelligence	2010	0.25	3	10.83
22	Stano, P.; Lendek, Z.; Babuska, R.; Braaksma, J. & de Keizer, C. (2010), Particle Filters for the Estimation of the Average Grain Diameter of the Material Excavated by a Hopper Dredger, in 'Proceedings of the 2010 IEEE Multi-Conference on Systems and Control', pp. 292--297.	2010 IEEE Multi-Conference on Systems and Control	2010	0.25	5	6.50
23	Lendek, Z.; Babuska, R. & Schutter, B. D. (2008), Stability analysis and observer design for decentralized TS fuzzy systems, in 'Proceedings of the IEEE International Conference on Fuzzy Systems', pp. 631-636.	IEEE International Conference on Fuzzy Systems	2008	0.25	3	10.83
24	Zs. Lendek, R. Babuska, B. De Schutter, Stability Analysis and Observer Design for Decentralized TS Fuzzy Systems. In Proceedings of the IEEE International Conference on Fuzzy Systems, pages 631-636	IEEE International Conference on Fuzzy Systems	2007	0.25	3	10.83
25	Hegyi, A.; Mihaylova, L.; Boel, R. & Lendek, Z. (2007), Parallelized particle filtering for freeway traffic state tracking, in 'Proceedings of European Control Conference', pp. 2442-2449.	European Control Conference	2007	0.25	4	8.13
26	Lendek, Z.; Babuska, R. & Schutter, B. D. (2007), Distributed Kalman Filtering for Multi-Agent Systems, in 'Proceedings of the European Control Conference', pp. 2193-2200.	European Control Conference	2007	0.25	3	10.83
27	Babuska, R.; Lendek, Z.; Braaksma, J. & de Keizer, C. (2006), Particle Filtering for On-Line Estimation of Overflow Losses in a Hopper Dredger, in 'Proceedings of the American Control Conference', pp. 5751-5756.	American Control Conference	2006	0.25	4	8.13
TOTAL (articole in conferinte ISI)			27	6.75		253.50

A2. Activitatea de cercetare

Nr. crt.	A2.2. Articole in reviste BDI	Revista	An	Indexata in	Numar de autori	Punctaj
1	Cara, A. B.; Pomares, H.; Rojas, I.; Lendek, Z. & Babuska, R. (2010), 'Online Self-Evolving Fuzzy Controller with Global Learning Capabilities', Evolving Systems 1(4), 225--239.	Evolving Systems	2010	SCOPUS, INSPEC, Google Scholar, EI-Compendex, etc	5	4.00
TOTAL (articole in reviste BDI)						4.00

A2. Activitatea de cercetare

Nr. crt.	A2.2. Articole conferinte BDI	Conferinta BDI	An	Indexata in	Numar de autori	Punctaj
1	Zs. Lendek, J. Lauber, Local stability of discrete-time TS fuzzy systems. In Proceedings of the 4th IFAC International Conference on Intelligent Control and Automation Sciences , pages 7-12, Reims, France, June 2016.	4th IFAC International Conference on Intelligent Control and Automation Sciences	2016	Scopus	2	10.00
2	V. Estrada-Manzo, Zs. Lendek, T. M. Guerra, Improving the observer design for discrete-time TS descriptor models under the quadratic framework. In Proceedings of the IFAC Conference on Embedded Systems, Computational Intelligence and Telematics in Control, pages 276-281, Maribor, Slovenia, June 2015.	IFAC Conference on Embedded Systems, Computational Intelligence and Telematics in Control	2015	Scopus	3	6.67
3	Lendek, Z., Raica, P., Lauber, J., Guerra, T.M. , Observer design for switching nonlinear systems, IEEE International Conference on Fuzzy Systems, pp. 2282-2287	IEEE International Conference on Fuzzy Systems	2014	Scopus	4	5.00
4	Estrada-Manzo, V., Guerra, T.M., Lendek, Z., Pudlo, P. , Discrete-time Takagi-Sugeno descriptor models: Controller design, IEEE International Conference on Fuzzy Systems, pp. 2277-2281	IEEE International Conference on Fuzzy Systems	2014	Scopus	4	5.00
5	Zs. Lendek, P. Raica, J. Lauber, T. M. Guerra, Nonquadratic stabilization of switching TS systems. In Preprints of the 2014 IFAC World Congress, pages 7970-7975	IFAC World Congress	2014	IFAC-PapersOnline	4	5.00
6	V. Estrada-Manzo, Zs. Lendek, T. M. Guerra, Discrete-time Takagi-Sugeno descriptor models: observer design. In Preprints of the 2014 IFAC World Congress, pages 7965-7969	IFAC World Congress	2014	IFAC-PapersOnline	4	5.00
7	V. Estrada-Manzo, Zs. Lendek, T. M. Guerra, An LMI approach for observer design for Takagi-Sugeno descriptor models. 53rd IEEE Conference on Decision and Control, pp. 860 - 865	53rd IEEE Conference on Decision and Control	2014	IEEEExplore	3	6.67
8	Zs. Lendek, J. Lauber, T. M. Guerra, P. Raica, Stability analysis of switching TS models using alpha-samples approach. In Proceedings of the 2013 IFAC International Conference on Intelligent Control and Automation Science, pages 207-211	IFAC International Conference on Intelligent Control and Automation Science	2013	IFAC-PapersOnline	4	5.00
9	P. Petrehus, Zs. Lendek, P. Raica, Fuzzy modeling and control of a 3D crane. In Proceedings of the 2013 IFAC International Conference on Intelligent Control and Automation Science, pages 201-206	IFAC International Conference on Intelligent Control and Automation Science	2013	IFAC-PapersOnline	3	6.67
10	Zs. Lendek, J. Lauber, T.M. Guerra, Switching Lyapunov functions for periodic TS systems. In Proceedings of the 1st IFAC Conference on Embedded Systems, Computational Intelligence and Telematics in Control, pages 1-6	IFAC Conference on Embedded Systems, Computational Intelligence and Telematics in Control	2012	Scopus	3	6.67

A2. Activitatea de cercetare

11	Lendek, Z.; Lauber, J. & Guerra, T. M. (2012), Switching fuzzy observers for periodic TS systems, in 'Proceedings of the 2012 IEEE International Conference on Automation, Quality and Testing, Robotics', pp. 1--6.	2012 IEEE International Conference on Automation, Quality and Testing, Robotics	2012	IEEEExplore	3	6.67
12	Lendek, Z.; Babuska, R. & Schutter, B. D. (2011), Stability analysis and observer design for string-connected TS systems, in 'Preprints of the IFAC World Congress', pp. 12795--12800.	IFAC World Congress	2011	Scopus	3	6.67
13	Lendek, Z.; Babuska, R. & Schutter, B. D. (2010), Stability bounds for fuzzy estimation and control — Part II: Output-feedback control, in 'Proceedings of the 2010 IEEE International Conference on Automation, Quality and Testing, Robotics', pp. 1--6.	IEEE International Conference on Automation, Quality and Testing, Robotics	2010	IEEEExplore	3	6.67
14	Hidayat, Z.; Lendek, Z.; Babuska, R. & Schutter, B. D. (2010), Fuzzy observer for state estimation of the METANET traffic model, in 'Proceedings of the 13th International IEEE Conference on Intelligent Transportation Systems', pp. 19--24.	13th International IEEE Conference on Intelligent Transportation Systems	2010	Scopus	4	5.00
15	Lendek, Z.; Babuska, R. & Schutter, B. D. (2010), Stability bounds for fuzzy estimation and control — Part I: State estimation, in 'Proceedings of the 2010 IEEE International Conference on Automation, Quality and Testing, Robotics', pp. 1--6.	2010 IEEE International Conference on Automation, Quality and Testing, Robotics	2010	IEEEExplore, Scopus	3	6.67
16	Lendek, Z.; Babuska, R. & Schutter, B. D. (2010), Stability bounds for fuzzy estimation and control — Part II: Output-feedback control, in 'Proceedings of the 2010 IEEE International Conference on Automation, Quality and Testing, Robotics', pp. 1--6.	2010 IEEE International Conference on Automation, Quality and Testing, Robotics	2010	IEEEExplore, Scopus	3	6.67
17	Kerkeni, H.; Lauber, J.; Lendek, Z. & Guerra, T. M. (2008), Individual Cylinder Air/Fuel Ratio Observer on IC Engine Using Takagi-Sugeno's Fuzzy Model, in 'Proceedings of the 2008 IEEE Vehicle Power and Propulsion Conference', pp. 1--6.	2008 IEEE Vehicle Power and Propulsion Conference	2008	IEEEExplore	4	5.00
18	Zs. Lendek, K.M. van Schagen, R. Babuska, A. Veersma, B. De Schutter, Cascaded Parameter Estimation for a Water Treatment Plant Using Particle Filters. In Preprints 17th IFAC World Congress, pages 10857-10862	IFAC World Congress	2008	Scopus	5	4.00
19	Lendek, Z.; Babuska, R. & Schutter, B. D. (2007), TS fuzzy controllers for cascaded systems, in T. M. Guerra, ed., 'Proceedings of 3rd IFAC Workshop on Advanced Fuzzy and Neural Control', pp. 1-6.	3rd IFAC Workshop on Advanced Fuzzy and Neural Control	2007	IFAC-PapersOnline	3	6.67
TOTAL (articole in conferinte BDI)						115.67

A2. Activitatea de cercetare

Nr. crt.	A2.4. Granturi /proiecte castigate prin competitie	Funcția (Director/Membru)	Ani	International/ National	Punctaj
1	REDOUBT – Reliable FPGA Datapath Design Using Control Techniques, Contract ESA – 4000123993/18/NL/CRS, European Space Agency – ESA	Responsabil UTCN	1	International	20.00
2	ECOPACE - Estimare și control pentru sisteme periodice cu întârzieri: Aplicație la optimizarea motoarelor - PN-III-P1-1.1-TE-2016-1265, TE 11/2018	Director	2	National	20.00
3	Tratarea efectelor ne-netede in controlul sistemelor robotice reale, proiect TE nr 88/2015, PN-II-RU-TE-2014-4-0942, 2015-2017	Director	2	National	20.00
4	Proiectarea estimatoarelor pentru sisteme dinamice cu structuri specifice, proiect TE nr 74/2011, PN-II-RU-TE-2011-3-0043, 2011-2014	Director	3	National	30.00
5	Control avansat pentru utilizarea eficientă a energiei pentru vehicule hibride, proiect intern, 2013	Director	1	Local	2.00
6	ICIS: Interactive Collaborative Information Systems, BSIK program, Olanda, 2005-2011	Membru	5	International	20.00
7	SRAPE: platforma pentru proiectarea si evaluarea sistemelor de control automat, grant CNCIS, 2004	Membru	1	National	2.00
8	VALOTRANS: dezvoltarea si promovarea societatii informatinale pentru valorificarea potentialului turistic din Transilvania, proiect INFOSOC, 2004	Membru	1	National	2.00
9	AGENTEL: Sisteme de agenti inteligenti si multi-agenti in teleoperare si control pentru o cascada de hidrocentrale, 2004, proiect INFOSOC	Membru	1	National	2.00
10	Modelarea si simularea procesului de separare a C-13 prin schimb chimic, proiect CNCIS-AT, 2003	Membru	1	National	2.00
TOTAL (granturi proiecte castigate prin competitie)					120.00

A3. Recunoasterea si impactul activitatii

Nr. crt.	A3.1. Lucrari citate in carti, reviste si volume ale unor manifestari stiintifice	Nr. de autori	Citat in	An	Publicatia / Conferinta in care se citeaza	Tip	Punctaj
1	A. B. Cara, H. Pomares, I. Rojas, Zs. Lendek, R. Babuska, Online Self-Evolving Fuzzy Controller with Global Learning Capabilities. Evolving Systems, vol. 1, pages 225–239, 2010.	5	A self tuning regulator design for nonlinear time varying systems based on evolving linear models By: Jahandari, Sina; Kalhor, Ahmad; Araabi, Babak Nadjar EVOLVING SYSTEMS Volume: 7 Issue: 3 Pages: 159-172 Published: SEP 2016	2016	EVOLVING SYSTEMS	ISI	1.6
2	A. B. Cara, H. Pomares, I. Rojas, Zs. Lendek, R. Babuska, Online Self-Evolving Fuzzy Controller with Global Learning Capabilities. Evolving Systems, vol. 1, pages 225–239, 2010.	5	Evolving Granular Fuzzy Model-Based Control of Nonlinear Dynamic Systems By: Leite, Daniel; Palhares, Reinaldo M.; Campos, Victor C. S.; et al. IEEE TRANSACTIONS ON FUZZY SYSTEMS Volume: 23 Issue: 4 Pages: 923-938 Published: AUG 2015	2015	IEEE TRANSACTIONS ON FUZZY SYSTEMS	ISI	1.6
3	A. B. Cara, H. Pomares, I. Rojas, Zs. Lendek, R. Babuska, Online Self-Evolving Fuzzy Controller with Global Learning Capabilities. Evolving Systems, vol. 1, pages 225–239, 2010.	5	Experimental assessment and design of multiple model predictive control based on local model networks for industrial processes By: Costa, Thiago V.; Fileti, Ana M. F.; Oliveira-Lopes, Luis C.; et al. EVOLVING SYSTEMS Volume: 6 Issue: 4 Pages: 243-253 Published: DEC 2015	2015	EVOLVING SYSTEMS	ISI	1.6
4	A. B. Cara, H. Pomares, I. Rojas, Zs. Lendek, R. Babuska, Online Self-Evolving Fuzzy Controller with Global Learning Capabilities. Evolving Systems, vol. 1, pages 225–239, 2010.	5	Learning a robot controller using an adaptive hierarchical fuzzy rule-based system By: Waldock, Antony; Carse, Brian SOFT COMPUTING Volume: 20 Issue: 7 Pages: 2855-2881 Published: JUL 2016	2016	SOFT COMPUTING	ISI	1.6
5	A. B. Cara, H. Pomares, I. Rojas, Zs. Lendek, R. Babuska, Online Self-Evolving Fuzzy Controller with Global Learning Capabilities. Evolving Systems, vol. 1, pages 225–239, 2010.	5	Robust Adaptive Fuzzy Control of Nonlinear Systems with Input Saturation Based on DSC and K-Filter Techniques By: Li, Yongming; Li, Tieshan; Tong, Shaocheng Conference: IEEE International Conference on Fuzzy Systems (FUZZ-IEEE) Location: Brisbane, AUSTRALIA Date: JUN 10-15, 2012 Sponsor(s): IEEE 2012 IEEE INTERNATIONAL CONFERENCE ON FUZZY SYSTEMS (FUZZ-IEEE) Book Series: IEEE International Conference on Fuzzy Systems Published: 2012	2012	IEEE International Conference on Fuzzy Systems	ISI	1.6

A3. Recunoasterea si impactul activitatii

6	A. B. Cara, Zs. Lendek, R. Babuska, H. Pomares and I. Rojas, Online Self-organizing Adaptive Fuzzy Controller: Application to a Nonlinear Servo System. In Proceedings of the 2010 IEEE World Congress on Computational Intelligence, pages 2491-2498, Barcelona, Spain, July 2010.	5	A Robust Evolving Cloud-Based Controller By: Angelov, Plamen P.; Skrjanc, Igor; Blazic, Saso SPRINGER HANDBOOK OF COMPUTATIONAL INTELLIGENCE Pages: 1435-1449 Published: 2015	2015	SPRINGER HANDBOOK OF COMPUTATIONAL INTELLIGENCE	carte	1.6
7	A. B. Cara, Zs. Lendek, R. Babuska, H. Pomares and I. Rojas, Online Self-organizing Adaptive Fuzzy Controller: Application to a Nonlinear Servo System. In Proceedings of the 2010 IEEE World Congress on Computational Intelligence, pages 2491-2498, Barcelona, Spain, July 2010.	5	Evolving Fuzzy Controller Applied in Indirect Field Oriented Control of Induction Motor By: Rosa, Fabiano Camargo; Lima, Fabio; Fumagalli, Marco Antonio; et al. Conference: IEEE International Conference on Industrial Technology (ICET) Location: Taipei, TAIWAN Date: MAR 14-17, 2016 Sponsor(s): Inst Elect & Elect Engineers; IEEE Ind Elect Soc; Natl Taiwan Univ, Int Ctr Excellence Intelligent Robot & Automat Res PROCEEDINGS 2016 IEEE INTERNATIONAL CONFERENCE ON INDUSTRIAL TECHNOLOGY (ICIT) Pages: 1452-1457 Published: 2016	2016	Conference: IEEE International Conference on Industrial Technology (ICET)	ISI	1.6
8	A. B. Cara, Zs. Lendek, R. Babuska, H. Pomares and I. Rojas, Online Self-organizing Adaptive Fuzzy Controller: Application to a Nonlinear Servo System. In Proceedings of the 2010 IEEE World Congress on Computational Intelligence, pages 2491-2498, Barcelona, Spain, July 2010.	5	Robust Evolving Cloud-based Controller for a Hydraulic Plant By: Angelov, Plamen; Skrjanc, Igor; Blazic, Saso Conference: IEEE Conference on Evolving and Adaptive Intelligent Systems (EAIS) Location: Singapore, SINGAPORE Date: APR 16-19, 2013 Sponsor(s): IEEE; IEEE Computat Intelligence Soc; Adapt & Evolving Fuzzy Syst Task Force; FSTC; CIS PROCEEDINGS OF THE 2013 IEEE CONFERENCE ON EVOLVING AND ADAPTIVE INTELLIGENT SYSTEMS (EAIS) Book Series: IEEE Conference on Evolving and Adaptive Intelligent Systems Pages: 1-8 Published: 2013	2013	IEEE Conference on Evolving and Adaptive Intelligent Systems (EAIS)	ISI	1.6
9	A. Hegyi, L. Mihaylova, R. Boel and Zs. Lendek, Parallelized particle filtering for freeway traffic state tracking Proceedings of the 2007 European Control Conference, pages 2442-2449, Kos, Greece, 2007	4	An adaptive freeway traffic state estimator, Yibing Wang, Markos Papageorgiou, Albert Messmer, Pierluigi Coppola, Athina Tzimitsi, Agostino Nuzzolo, Automatica, Volume 45, Issue 1, January 2009, Pages 10-24, 2009	2009	Automatica	ISI	2

A3. Recunoasterea si impactul activitatii

10	A. Hegyi, L. Mihaylova, R. Boel and Zs. Lendek, Parallelized particle filtering for freeway traffic state tracking Proceedings of the 2007 European Control Conference, pages 2442-2449, Kos, Greece, 2007	4	An Ensemble Kalman Filtering Approach to Highway Traffic Estimation Using GPS Enabled Mobile Devices By: Work, Daniel B.; Tossavainen, Olli-Pekka; Blandin, Sebastien; et al. Book Group Author(s): IEEE Conference: 47th IEEE Conference on Decision and Control Location: IEEE Control Syst Soc (CSS), Cancun, MEXICO Date: DEC 09-11, 2008 Sponsor(s): IEEE; Soc Ind & Appl Math (SIAM); Inst Operat Res & Management Sci (INFORMS); Japanese Soc Instrument & Control Engn (SICE); European Union Control Assoc (EUCA); Taylor & Francis Grp; StatoilHydro 47TH IEEE CONFERENCE ON DECISION AND CONTROL, 2008 (CDC 2008) Book Series: IEEE Conference on Decision and Control Pages: 5062-5068 Published: 2008	2008	Conference: 47th IEEE Conference on Decision and Control	ISI	2
11	A. Hegyi, L. Mihaylova, R. Boel and Zs. Lendek, Parallelized particle filtering for freeway traffic state tracking Proceedings of the 2007 European Control Conference, pages 2442-2449, Kos, Greece, 2007	4	Applicable filtering framework for online multiclass freeway network estimation, D. Ngoduy, Physica A: Statistical Mechanics and its Applications, Volume 387, Issues 2-3, 15 January 2008, Pages 599-616, 2008	2008	Physica A: Statistical Mechanics and its Applications	ISI	2
12	A. Hegyi, L. Mihaylova, R. Boel and Zs. Lendek, Parallelized particle filtering for freeway traffic state tracking Proceedings of the 2007 European Control Conference, pages 2442-2449, Kos, Greece, 2007	4	Face Tracking Based Advertisement Effect Evaluation, Yanchao Xing ; Zhizhong Wang ; Wenping Qiang, 2nd International Congress on Image and Signal Processing, 2009. CISP '09, pp. 1 - 4, 2009	2009	2nd International Congress on Image and Signal Processing, 2009. CISP '09.	ISI	2
13	A. Hegyi, L. Mihaylova, R. Boel and Zs. Lendek, Parallelized particle filtering for freeway traffic state tracking Proceedings of the 2007 European Control Conference, pages 2442-2449, Kos, Greece, 2007	4	Flow Reconstruction for Data-Driven Traffic Animation By: Wilkie, David; Sewall, Jason; Lin, Ming ACM TRANSACTIONS ON GRAPHICS Volume: 32 Issue: 4 Article Number: 89 Published: JUL 2013	2013	ACM TRANSACTIONS ON GRAPHICS	ISI	2
14	A. Hegyi, L. Mihaylova, R. Boel and Zs. Lendek, Parallelized particle filtering for freeway traffic state tracking Proceedings of the 2007 European Control Conference, pages 2442-2449, Kos, Greece, 2007	4	Ioannis Papamichail, Markos Papageorgiou, Yibing Wang, Motorway Traffic Surveillance and Control, European Journal of Control, Volume 13, Issues 2-3, 2007, Pages 297-319, 2007	2007	European Journal of Control	ISI	2
15	A. Hegyi, L. Mihaylova, R. Boel and Zs. Lendek, Parallelized particle filtering for freeway traffic state tracking Proceedings of the 2007 European Control Conference, pages 2442-2449, Kos, Greece, 2007	4	Lagrangian sensing: traffic estimation with mobile devices, Work, D.B. ; Tossavainen, O.-P. ; Jacobson, Q. ; Bayen, A.M., American Control Conference, 2009. ACC '09, pp. 1536 - 1543, 2009	2009	American Control Conference	ISI	2

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16	A. Hegyi, L. Mihaylova, R. Boel and Zs. Lendek, Parallelized particle filtering for freeway traffic state tracking Proceedings of the 2007 European Control Conference, pages 2442-2449, Kos, Greece, 2007	4	Localized Extended Kalman Filter for Scalable Real-Time Traffic State Estimation By: van Hinsbergen, Chris P. I. J.; Schreiter, Thomas; Zuurbier, Frank S.; et al. IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS Volume: 13 Issue: 1 Pages: 385-394 Published: MAR 2012	2012	IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS	ISI	2
17	A. Hegyi, L. Mihaylova, R. Boel and Zs. Lendek, Parallelized particle filtering for freeway traffic state tracking Proceedings of the 2007 European Control Conference, pages 2442-2449, Kos, Greece, 2007	4	Particle Routing in Distributed Particle Filters for Large-Scale Spatial Temporal Systems By: Bai, Fan; Gu, Feng; Hu, Xiaolin; et al. IEEE TRANSACTIONS ON PARALLEL AND DISTRIBUTED	2016	IEEE TRANSACTIONS ON PARALLEL AND DISTRIBUTED SYSTEMS	ISI	2
18	A. Hegyi, L. Mihaylova, R. Boel and Zs. Lendek, Parallelized particle filtering for freeway traffic state tracking Proceedings of the 2007 European Control Conference, pages 2442-2449, Kos, Greece, 2007	4	Propagating probability distributions of stand variables using sequential Monte Carlo methods By: Gove, Jeffrey H. FORESTRY Volume: 82 Issue: 4 Pages: 403-418 Published: OCT 2009	2009	FORESTRY	ISI	2
19	A. Hegyi, L. Mihaylova, R. Boel and Zs. Lendek, Parallelized particle filtering for freeway traffic state tracking Proceedings of the 2007 European Control Conference, pages 2442-2449, Kos, Greece, 2007	4	Propagating probability distributions of stand variables using sequential Monte Carlo methods, Jeffrey H. Gove, Forestry, 82 (4), Pp. 403-418, 2009	2009	Forestry	ISI	2
20	A. Hegyi, L. Mihaylova, R. Boel and Zs. Lendek, Parallelized particle filtering for freeway traffic state tracking Proceedings of the 2007 European Control Conference, pages 2442-2449, Kos, Greece, 2007	4	Real Time Energy Management Algorithm for Hybrid Electric Vehicle By: Cela, A.; Hrazdira, A.; Reama, A.; et al. Conference: 14th International IEEE Conference on Intelligent Transportation Systems (ITSC) Location: Campus George Washington Univ (GWU), Washington, DC Date: OCT 05-07, 2011 Sponsor(s): IEEE; George Washington Univ (GWU), Sch Engr & Appl Sci; IEEE ITS Soc; Ctr Intelligent Syst Res (CISR); FHWA/NHTSA Natl Crash Anal Ctr (NCAC) 2011 14TH INTERNATIONAL IEEE CONFERENCE ON INTELLIGENT TRANSPORTATION SYSTEMS (ITSC) Book Series: IEEE International Conference on Intelligent Transportation Systems-ITSC Pages: 335-340 Published: 2011	2011	14th International IEEE Conference on Intelligent Transportation Systems	ISI	2

A3. Recunoasterea si impactul activitatii

21	A. Hegyi, L. Mihaylova, R. Boel and Zs. Lendek, Parallelized particle filtering for freeway traffic state tracking Proceedings of the 2007 European Control Conference, pages 2442-2449, Kos, Greece, 2007	4	Traffic state estimation on highway: A comprehensive survey By: Seo, Toru; Bayen, Alexandre M.; Kusakabe, Takahiko; et al. ANNUAL REVIEWS IN CONTROL Volume: 43 Pages: 128-151 Published: 2017	2017	ANNUAL REVIEWS IN CONTROL	ISI	2
22	H. Kerkeni, J. Lauber, Zs. Lendek, T.M. Guerra, Individual Cylinder Air/Fuel Ratio Observer on IC Engine Using Takagi-Sugeno's Fuzzy Model. In Proceedings of the 2008 IEEE Vehicle Power and Propulsion Conference, Harbin, China, September 2008.	4	Flatness-based Embedded Control of Air-fuel Ratio in Combustion Engines By: Rigatos, Gerasimos; Siano, Pierluigi; Arsie, Ivan Edited by: Simos, TE; Kalogiratou, Z; Monovasilis, T Conference: International Conference of Computational Methods in Sciences and Engineering 2014 (ICCMSE) Location: Athens, GREECE Date: APR 04-07, 2014 Sponsor(s): European Soc Computat Methods Sci Engrn & Technol INTERNATIONAL CONFERENCE OF COMPUTATIONAL METHODS IN SCIENCES AND ENGINEERING 2014 (ICCMSE 2014) Book Series: AIP Conference Proceedings Volume: 1618 Pages: 251-259 Published: 2014	2014	Conference: International Conference of Computational Methods in Sciences and Engineering 2014	ISI	2
23	H. Kerkeni, J. Lauber, Zs. Lendek, T.M. Guerra, Individual Cylinder Air/Fuel Ratio Observer on IC Engine Using Takagi-Sugeno's Fuzzy Model. In Proceedings of the 2008 IEEE Vehicle Power and Propulsion Conference, Harbin, China, September 2008.	4	Nonlinear Control and Filtering Using Differential Flatness Approaches: Applications to Electromechanical Systems By: Rigatos, GG NONLINEAR CONTROL AND FILTERING USING DIFFERENTIAL FLATNESS APPROACHES: APPLICATIONS TO ELECTROMECHANICAL SYSTEMS Book Series: Studies in Systems Decision and Control Volume: 25 Pages: 1-736 Published: 2015 Publisher: SPRINGER INT PUBLISHING AG, GEWERBESTRASSE 11, CHAM, CH-6330, SWITZERLAND, 2015	2015	Book Series: Studies in Systems Decision and Control	ISI	2
24	N. Hodasz, V. Bradila, I. Nascu, Zs. Lendek, Modeling and Parameter Estimation for an Activated Sludge Wastewater Treatment Process Proceedings of the 2016 IEEE International Conference on Automation, Quality and Testing, Robotics, 1-6, 2016	4	Parameter estimation of activated sludge process based on an improved cuckoo search algorithm By: Du, Xianjun; Wang, Junlu; Jegatheesan, Veeriah; et al. BIORESOURCE TECHNOLOGY Volume: 249 Pages: 447-456 Published: FEB 2018	2018	BIORESOURCE TECHNOLOGY	ISI	1.6

A3. Recunoasterea si impactul activitatii

25	P. Petrehus, Zs. Lendek, P. Raica, P. Fuzzy modeling and control of a 3D crane Proceedings of the 3rd IFAC International Conference on Intelligent Control and Automation Science, 201-206, Chengdu, China, 2013	3	Control strategies for crane systems: A comprehensive review By: Ramli, Liyana; Mohamed, Z.; Abdullahi, Auwalu M.; et al. MECHANICAL SYSTEMS AND SIGNAL PROCESSING Volume: 95 Pages: 1-23 Published: OCT 2017	2017	MECHANICAL SYSTEMS AND SIGNAL PROCESSING	ISI	2.6667
26	P. Petrehus, Zs. Lendek, P. Raica, P. Fuzzy modeling and control of a 3D crane Proceedings of the 3rd IFAC International Conference on Intelligent Control and Automation Science, 201-206, Chengdu, China, 2013	3	Self-Scaling Laboratory Crane Fuzzy Logic Control with Anti-Swing Regulation By: Aksjonov, Andrei; Vodovozov, Valery; Petlenkov, Eduard Conference: 57th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) Location: Riga, LATVIA Date: OCT 13-14, 2016 2016 57TH INTERNATIONAL SCIENTIFIC CONFERENCE ON POWER AND ELECTRICAL ENGINEERING OF RIGA TECHNICAL UNIVERSITY (RTUCON) Published: 2016	2016	Conference: 57th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON)	ISI	2.6667
27	P. Petrehus, Zs. Lendek, P. Raica, P. Fuzzy modeling and control of a 3D crane Proceedings of the 3rd IFAC International Conference on Intelligent Control and Automation Science, 201-206, Chengdu, China, 2013	3	Sensorless Control of the Three -Dimensional Crane Using the Euler-Lagrange Approach with a Built-in State-Space Model By: Aksjonov, Andrei; Vodovozov, Valery; Petlenkov, Eduard Conference: 56th Annual International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) Location: Riga, LATVIA Date: OCT 14, 2015 Sponsor(s): Riga Tech Univ 2015 56TH INTERNATIONAL SCIENTIFIC CONFERENCE ON POWER AND ELECTRICAL ENGINEERING OF RIGA TECHNICAL UNIVERSITY (RTUCON) Published: 2015	2015	Conference: 56th Annual International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON)	ISI	2.6667

A3. Recunoasterea si impactul activitatii

28	P. Petrehus, Zs. Lendek, P. Raica, P. Fuzzy modeling and control of a 3D crane Proceedings of the 3rd IFAC International Conference on Intelligent Control and Automation Science, 201-206, Chengdu, China, 2013	3	Three-Dimensional Crane Modelling and Control Using Euler-Lagrange State-Space Approach and Anti-Swing Fuzzy Logic By: Aksjonov, Andrei; Vodovozov, Valery; Petlenkov, Eduard ELECTRICAL CONTROL AND COMMUNICATION ENGINEERING Volume: 9 Issue: 1 Pages: 5-13 Published: DEC 2015	2015	ELECTRICAL CONTROL AND COMMUNICATION ENGINEERING	ISI	2.6667
29	P. Stano, Zs. Lendek, J. Braaksma, R. Babuska, and C. de Keizer, Parametric Bayesian adaptive filters for nonlinear stochastic dynamical systems: A survey. IEEE Transactions on Cybernetics, vol. 43, no. 6, pages 1607–1624, 2013.	5	A Probabilistic Model of Social Working Memory for Information Retrieval in Social Interactions By: Li, Liyuan; Xu, Qianli; Gan, Tian; et al. IEEE TRANSACTIONS ON CYBERNETICS Volume: 48 Issue: 5 Pages: 1540-1552 Published: MAY 2018	2018	IEEE TRANSACTIONS ON CYBERNETICS	ISI	2.6667
30	P. Stano, Zs. Lendek, J. Braaksma, R. Babuska, and C. de Keizer, Parametric Bayesian adaptive filters for nonlinear stochastic dynamical systems: A survey. IEEE Transactions on Cybernetics, vol. 43, no. 6, pages 1607–1624, 2013.	5	A Short Revisit of Nonlinear Gaussian Filters: State-of-the-art and Some Concerns By: Li, Tiancheng; Prieto, Javier; Corchado, Juan M. Conference: 16th IEEE International Conference on Ubiquitous Wireless Broadband (ICUWB) Location: Nanjing, PEOPLES R CHINA Date: OCT 16-19, 2016 Sponsor(s): IEEE; Nanjing Univ Posts & Telecommunicat; Nanjing Univ Sci & Technol; IEEE Microwave Theory & Tech Soc 2016 IEEE INTERNATIONAL CONFERENCE ON UBIQUITOUS WIRELESS BROADBAND (ICUWB2016) Published: 2016	2016	Conference: 16th IEEE International Conference on Ubiquitous Wireless Broadband (ICUWB)	ISI	1.3333
31	P. Stano, Zs. Lendek, J. Braaksma, R. Babuska, and C. de Keizer, Parametric Bayesian adaptive filters for nonlinear stochastic dynamical systems: A survey. IEEE Transactions on Cybernetics, vol. 43, no. 6, pages 1607–1624, 2013.	5	A Wearable Virtual Usher for Vision-Based Cognitive Indoor Navigation By: Li, Liyuan; Xu, Qianli; Chandrasekhar, Vijay; et al. IEEE TRANSACTIONS ON CYBERNETICS Volume: 47 Issue: 4 Pages: 841-854 Published: APR 2017	2017	IEEE TRANSACTIONS ON CYBERNETICS	ISI	2.6667

A3. Recunoasterea si impactul activitatii

32	P. Stano, Zs. Lendek, J. Braaksma, R. Babuska, and C. de Keizer, Parametric Bayesian adaptive filters for nonlinear stochastic dynamical systems: A survey. IEEE Transactions on Cybernetics, vol. 43, no. 6, pages 1607–1624, 2013.	5	Adaptive M-estimation for Robust Cubature Kalman Filtering By: Zhang, Changliang; Zhi, Ruirui; Li, Tiancheng; et al. Conference: Conference on Sensor Signal Processing for Defence (SSPD) Location: Edinburgh, SCOTLAND Date: SEP 22-23, 2016 Sponsor(s): IEEE; IEEE Signal Proc Soc; Def Sci & Technol Lab; IEEE Aerosp & Elect Syst Soc; Uni Def Res Collaborat Signal Proc; Engn & Phys Sci Res Council 2016 SENSOR SIGNAL PROCESSING FOR DEFENCE (SSPD) Pages: 114-118 Published: 2016	2016	Conference: Conference on Sensor Signal Processing for Defence (SSPD)	ISI	2.6667
33	P. Stano, Zs. Lendek, J. Braaksma, R. Babuska, and C. de Keizer, Parametric Bayesian adaptive filters for nonlinear stochastic dynamical systems: A survey. IEEE Transactions on Cybernetics, vol. 43, no. 6, pages 1607–1624, 2013.	5	Advances on Exploiting Polarization in Wireless Communications: Channels, Technologies, and Applications By: Guo, Caili; Liu, Fangfang; Chen, Shuo; et al. IEEE COMMUNICATIONS SURVEYS AND TUTORIALS Volume: 19 Issue: 1 Pages: 125-166 Published: 2017	2017	IEEE COMMUNICATIONS SURVEYS AND TUTORIALS	ISI	2.6667
34	P. Stano, Zs. Lendek, J. Braaksma, R. Babuska, and C. de Keizer, Parametric Bayesian adaptive filters for nonlinear stochastic dynamical systems: A survey. IEEE Transactions on Cybernetics, vol. 43, no. 6, pages 1607–1624, 2013.	5	Approximate Gaussian conjugacy: parametric recursive filtering under nonlinearity, multimodality, uncertainty, and constraint, and beyond By: Li, Tian-cheng; Su, Jin-ya; Liu, Wei; et al. FRONTIERS OF INFORMATION TECHNOLOGY & ELECTRONIC ENGINEERING Volume: 18 Issue: 12 Pages: 1913-1939 Published: DEC 2017	2017	FRONTIERS OF INFORMATION TECHNOLOGY & ELECTRONIC ENGINEERING	ISI	1.3333
35	P. Stano, Zs. Lendek, J. Braaksma, R. Babuska, and C. de Keizer, Parametric Bayesian adaptive filters for nonlinear stochastic dynamical systems: A survey. IEEE Transactions on Cybernetics, vol. 43, no. 6, pages 1607–1624, 2013.	5	Are PLLs Dead? A Tutorial on Kalman Filter-Based Techniques for Digital Carrier Synchronization By: Vila-Valls, Jordi; Closas, Pau; Navarro, Monica; et al. IEEE AEROSPACE AND ELECTRONIC SYSTEMS MAGAZINE Volume: 32 Issue: 7 Pages: 28-45 Part: 2 Published: JUL 2017	2017	IEEE AEROSPACE AND ELECTRONIC SYSTEMS MAGAZINE	ISI	2.6667
36	P. Stano, Zs. Lendek, J. Braaksma, R. Babuska, and C. de Keizer, Parametric Bayesian adaptive filters for nonlinear stochastic dynamical systems: A survey. IEEE Transactions on Cybernetics, vol. 43, no. 6, pages 1607–1624, 2013.	5	Bayesian Nonlinear Filtering via Information Geometric Optimization By: Li, Yubo; Cheng, Yongqiang; Li, Xiang; et al. ENTROPY Volume: 19 Issue: 12 Article Number: 655 Published: DEC 2017	2017	ENTROPY	ISI	2.6667

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37	P. Stano, Zs. Lendek, J. Braaksma, R. Babuska, and C. de Keizer, Parametric Bayesian adaptive filters for nonlinear stochastic dynamical systems: A survey. IEEE Transactions on Cybernetics, vol. 43, no. 6, pages 1607–1624, 2013.	5	COMPUTATIONAL COMPLEXITY REDUCTION TECHNIQUES FOR QUADRATURE KALMAN FILTERS By: Closas, Pau; Vila-Valls, Jordi; Fernandez-Prades, Carles Conference: IEEE 6th International Workshop on Computational Advances in Multi-Sensor Adaptive Processing (CAMSAP) Location: Cancun, MEXICO Date: DEC 13-16, 2015 2015 IEEE 6TH INTERNATIONAL WORKSHOP ON COMPUTATIONAL ADVANCES IN MULTI-SENSOR ADAPTIVE PROCESSING (CAMSAP) Pages: 485-488 Published: 2015	2015	Conference: IEEE 6th International Workshop on Computational Advances in Multi-Sensor Adaptive Processing (CAMSAP)	ISI	2.6667
38	P. Stano, Zs. Lendek, J. Braaksma, R. Babuska, and C. de Keizer, Parametric Bayesian adaptive filters for nonlinear stochastic dynamical systems: A survey. IEEE Transactions on Cybernetics, vol. 43, no. 6, pages 1607–1624, 2013.	5	Distributed Marginalized Auxiliary Particle Filter for Speaker Tracking in Distributed Microphone Networks By: Zhang, Qiaoling; Chen, Zhe; Yin, Fuliang IEEE-ACM TRANSACTIONS ON AUDIO SPEECH AND LANGUAGE PROCESSING Volume: 24 Issue: 11 Pages: 1921-1934 Published: NOV 2016	2016	IEEE-ACM TRANSACTIONS ON AUDIO SPEECH AND LANGUAGE PROCESSING	ISI	2.6667
39	P. Stano, Zs. Lendek, J. Braaksma, R. Babuska, and C. de Keizer, Parametric Bayesian adaptive filters for nonlinear stochastic dynamical systems: A survey. IEEE Transactions on Cybernetics, vol. 43, no. 6, pages 1607–1624, 2013.	5	Effectiveness of Bayesian filters: An information fusion perspective By: Li, Tiancheng; Corchado, Juan M.; Bajo, Javier; et al. INFORMATION SCIENCES Volume: 329 Special Issue: SI Pages: 670-689 Published: FEB 1 2016	2016	INFORMATION SCIENCES	ISI	2.6667
40	P. Stano, Zs. Lendek, J. Braaksma, R. Babuska, and C. de Keizer, Parametric Bayesian adaptive filters for nonlinear stochastic dynamical systems: A survey. IEEE Transactions on Cybernetics, vol. 43, no. 6, pages 1607–1624, 2013.	5	Fast Kalman-Like Filtering for Large-Dimensional Linear and Gaussian State-Space Models By: Ait-El-Fquih, Boujemaa; Hoteit, Ibrahim IEEE TRANSACTIONS ON SIGNAL PROCESSING Volume: 63 Issue: 21 Pages: 5853-5867 Published: NOV 1 2015	2015	IEEE TRANSACTIONS ON SIGNAL PROCESSING	ISI	2.6667
41	P. Stano, Zs. Lendek, J. Braaksma, R. Babuska, and C. de Keizer, Parametric Bayesian adaptive filters for nonlinear stochastic dynamical systems: A survey. IEEE Transactions on Cybernetics, vol. 43, no. 6, pages 1607–1624, 2013.	5	Filtering-based iterative identification for multivariable systems By: Wang, Yanjiao; Ding, Feng IET CONTROL THEORY AND APPLICATIONS Volume: 10 Issue: 8 Pages: 894-902 Published: MAY 16 2016	2016	IET CONTROL THEORY AND APPLICATIONS	ISI	2.6667

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116	Zs. Lendek, A. Berna, J. Guzman-Gimenez, A. Sala, P. Garcia., Application of Takagi-Sugeno observers for state estimation in a quadrotor. In Proceedings of the 50th IEEE Conference on Decision and Control and European Control Conference, pages 7530-7535, Orlando, Florida, December 2011.	5	Dynamic Neural Network-Based Sliding Mode Estimation of Quadrotor Systems By: Stebler, S.; Campobasso, M.; Kidambi, K.; et al. Conference: American Control Conference (ACC) Location: Seattle, WA Date: MAY 24-26, 2017 Sponsor(s): GE Global Res; Mitsubishi Elect Res Labs; Eaton; United Technologies Res Ctr; MathWorks; Amer Automat Control Council 2017 AMERICAN CONTROL CONFERENCE (ACC) Book Series: Proceedings of the American Control Conference Pages: 2600-2605 Published: 2017	2017	Conference: American Control Conference (ACC)	ISI	2
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124	Zs. Lendek, A. Berna, J. Guzman-Gimenez, A. Sala, P. Garcia., Application of Takagi-Sugeno observers for state estimation in a quadrotor. In Proceedings of the 50th IEEE Conference on Decision and Control and European Control Conference, pages 7530-7535, Orlando, Florida, December 2011.	5	Robust Control of a Quadrotor using Takagi-Sugeno Fuzzy Model and an LMI Approach By: Lee, Hyeonbeom; Kim, H. Jin Conference: 14th International Conference on Control, Automation and Systems (ICCAS) Location: SOUTH KOREA Date: OCT 22-25, 2014 Sponsor(s): MOTIE; ROBOT WORLD; IES; RA; CSS; SCIE; ACA; ISA; CAC 2014 14TH INTERNATIONAL CONFERENCE ON CONTROL, AUTOMATION AND SYSTEMS (ICCAS 2014) Book Series: International Conference on Control Automation and Systems Pages: 370-374 Published: 2014	2014	Conference: 14th International Conference on Control, Automation and Systems (ICCAS)	ISI	2
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130	Zs. Lendek, J. Lauber, T. M. Guerra, Periodic Lyapunov functions for periodic TS systems. Systems & Control Letters, vol. 62 , no. 4, pages 303–310, 2013.	3	Polynomial Fuzzy Model-Based Control Systems Stability Analysis and Control Synthesis Using Membership Function-Dependent Techniques Introduction By: Lam, Hak-Keung POLYNOMIAL FUZZY MODEL-BASED CONTROL SYSTEMS: STABILITY ANALYSIS AND CONTROL SYNTHESIS USING MEMBERSHIP FUNCTION-DEPENDENT TECHNIQUES Book Series: Studies in Systems Decision and Control Volume: 64 Pages: 3-38 Published: 2016	2016	Book Series: Studies in Systems Decision and Control	ISI	1.6

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133	Zs. Lendek, R. Babuska, B. De Schutter, Sequential stability analysis and observer design for distributed TS fuzzy systems. Fuzzy Sets and Systems, vol. 174 , no. 1, pages 1–30, 2011.	3	Output-Feedback Control for T-S Fuzzy Delta Operator Systems With Time-Varying Delays via an Input-Output Approach By: Li, Hongyi; Gao, Yabin; Shi, Peng; et al. IEEE TRANSACTIONS ON FUZZY SYSTEMS Volume: 23 Issue: 4 Pages: 1100-1112 Published: AUG 2015	2015	IEEE TRANSACTIONS ON FUZZY SYSTEMS	ISI	0.8
134	Zs. Lendek, R. Babuska, B. De Schutter, Stability analysis and observer design for decentralized TS fuzzy systems, IEEE International Conference on Fuzzy Systems, pp. 631-636, Hong Kong, China, 2008	3	A robust fault detection design for uncertain Takagi-Sugeno models with unknown inputs and time-varying delays By: Ahmadizadeh, Saeed; Zarei, Jafar; Karimi, Hamid Reza NONLINEAR ANALYSIS-HYBRID SYSTEMS Volume: 11 Pages: 98-117 Published: JAN 2014	2014	NONLINEAR ANALYSIS-HYBRID SYSTEMS	ISI	2.6667
135	Zs. Lendek, R. Babuska, B. De Schutter, Stability of Cascaded Takagi-Sugeno Fuzzy Systems. In Proceedings of FUZZ-IEEE, 2007, pages 505-510, London, UK, July 2007.	3	A Cascade Approach for Global Trajectory Tracking Control of Underactuated AUVs By: Bi Feng-yang; Wei Ying-jie; Zhang Jia-zhong; et al. CHINA OCEAN ENGINEERING Volume: 24 Issue: 2 Pages: 369-380 Published: 2010	2010	CHINA OCEAN ENGINEERING	ISI	1.6

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137	Zs. Lendek, R. Babuska, B. De Schutter, Distributed Kalman filtering for cascaded systems, Engineering Applications of Artificial Intelligence, 21 (3), pp. 457-469, 2008	3	A cascaded Kalman filter-based GPS/MEMS-IMU integration for sports applications By: Zihajehzadeh, Shaghayegh; Loh, Darrell; Lee, Tien Jung; et al. MEASUREMENT Volume: 73 Pages: 200-210 Published: SEP 2015	2015	MEASUREMENT	ISI	1.6
138	Zs. Lendek, R. Babuska, B. De Schutter, Distributed Kalman filtering for cascaded systems, Engineering Applications of Artificial Intelligence, 21 (3), pp. 457-469, 2008	3	A cascaded Kalman filter-based GPS/MEMS-IMU integration for sports applications By: Zihajehzadeh, Shaghayegh; Loh, Darrell; Lee, Tien Jung; et al. MEASUREMENT Volume: 73 Pages: 200-210 Published: SEP 2015	2015	MEASUREMENT	ISI	1.6
139	Zs. Lendek, R. Babuska, B. De Schutter, Distributed Kalman filtering for cascaded systems, Engineering Applications of Artificial Intelligence, 21 (3), pp. 457-469, 2008	3	A new method for estimating the thrust of aircraft engines, Li Q.-H., Sun J.-G., Wang Q.-Y., Kongzhi Lilun Yu Yingyong/Control Theory and Applications, 28 (2), pp. 185-191, 2011	2011	Kongzhi Lilun Yu Yingyong/Control Theory and Applications	BDI	1.6
140	Zs. Lendek, R. Babuska, B. De Schutter, Distributed Kalman filtering for cascaded systems, Engineering Applications of Artificial Intelligence, 21 (3), pp. 457-469, 2008	3	Adaptive neuro-fuzzy fusion of sensor data By: Petkovic, Dalibor INFRARED PHYSICS & TECHNOLOGY Volume: 67 Pages: 222-228 Published: NOV 2014	2014	INFRARED PHYSICS & TECHNOLOGY	ISI	1.6
141	Zs. Lendek, R. Babuska, B. De Schutter, Distributed Kalman filtering for cascaded systems, Engineering Applications of Artificial Intelligence, 21 (3), pp. 457-469, 2008	3	Adaptive neuro-fuzzy fusion of sensor data By: Petkovic, Dalibor INFRARED PHYSICS & TECHNOLOGY Volume: 67 Pages: 222-228 Published: NOV 2014	2014	INFRARED PHYSICS & TECHNOLOGY	ISI	1.6

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143	Zs. Lendek, R. Babuska, B. De Schutter, Distributed Kalman filtering for cascaded systems, Engineering Applications of Artificial Intelligence, 21 (3), pp. 457-469, 2008	3	Cascaded Kalman and particle filters for photogrammetry based gyroscope drift and robot attitude estimation By: Sadaghzadeh, Nargess N.; Poshtan, Javad; Wagner, Achim; et al. ISA TRANSACTIONS Volume: 53 Issue: 2 Pages: 524-532 Published: MAR 2014	2014	ISA TRANSACTIONS	ISI	1.6
144	Zs. Lendek, R. Babuska, B. De Schutter, Distributed Kalman filtering for cascaded systems, Engineering Applications of Artificial Intelligence, 21 (3), pp. 457-469, 2008	3	Data-based fault detection in chemical processes: Managing records with operator intervention and uncertain labels By: Askarian, Mandieh; Benitez, Raul; Graells, Moises; et al. EXPERT SYSTEMS WITH APPLICATIONS Volume: 63 Data-based fault detection in chemical processes: Managing records with operator intervention and uncertain labels By: Askarian, Mandieh; Benitez, Raul; Graells, Moises; et al. EXPERT SYSTEMS WITH APPLICATIONS Volume: 63 Pages: 35-48 Published: NOV 30 2016	2016	EXPERT SYSTEMS WITH APPLICATIONS	ISI	1.6
145	Zs. Lendek, R. Babuska, B. De Schutter, Distributed Kalman filtering for cascaded systems, Engineering Applications of Artificial Intelligence, 21 (3), pp. 457-469, 2008	3	Data-based fault detection in chemical processes: Managing records with operator intervention and uncertain labels By: Askarian, Mandieh; Benitez, Raul; Graells, Moises; et al. EXPERT SYSTEMS WITH APPLICATIONS Volume: 63 Pages: 35-48 Published: NOV 30 2016	2016	EXPERT SYSTEMS WITH APPLICATIONS	ISI	0.8

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148	Zs. Lendek, R. Babuska, B. De Schutter, Distributed Kalman filtering for cascaded systems, Engineering Applications of Artificial Intelligence, 21 (3), pp. 457-469, 2008	3	Distributed and decentralized state estimation in gas networks as distributed parameter systems By: Behrooz, Hesam Ahmadian; Boozarjomehry, R. Bozorgmehry ISA TRANSACTIONS Volume: 58 Pages: 552-566 Published: SEP 2015	2015	ISA TRANSACTIONS	ISI	1.6
149	Zs. Lendek, R. Babuska, B. De Schutter, Distributed Kalman filtering for cascaded systems, Engineering Applications of Artificial Intelligence, 21 (3), pp. 457-469, 2008	3	Distributed Kalman filtering: a bibliographic review By: Mahmoud, Magdi S.; Khalid, Haris M. IET CONTROL THEORY AND APPLICATIONS Volume: 7 Issue: 4 Pages: 483-501 Published: MAR 2013	2013	IET CONTROL THEORY AND APPLICATIONS	ISI	1.6
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152	Zs. Lendek, R. Babuska, B. De Schutter, Distributed Kalman filtering for cascaded systems, Engineering Applications of Artificial Intelligence, 21 (3), pp. 457-469, 2008	3	Integration of MEMS Inertial and Pressure Sensors for Vertical Trajectory Determination By: Zihajehzadeh, Shaghayegh; Lee, Tien Jung; Lee, Jung Keun; et al. IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT Volume: 64 Issue: 3 Pages: 804-814 Published: MAR 2015	2015	IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT	ISI	1.6
153	Zs. Lendek, R. Babuska, B. De Schutter, Distributed Kalman filtering for cascaded systems, Engineering Applications of Artificial Intelligence, 21 (3), pp. 457-469, 2008	3	Loosely coupled fusion of camera and inertial sensors for distributed error compensation in strapdown inertial navigation system By: Sadeghzadeh-Nokhodberiz, Nargess; Poshtan, Javad TRANSACTIONS OF THE INSTITUTE OF MEASUREMENT AND CONTROL Volume: 38 Issue: 11 Pages: 1283-1297 Published: NOV 2016	2016	TRANSACTIONS OF THE INSTITUTE OF MEASUREMENT AND CONTROL	ISI	1.6
154	Zs. Lendek, R. Babuska, B. De Schutter, Distributed Kalman filtering for cascaded systems, Engineering Applications of Artificial Intelligence, 21 (3), pp. 457-469, 2008	3	Loosely coupled fusion of camera and inertial sensors for distributed error compensation in strapdown inertial navigation system By: Sadeghzadeh-Nokhodberiz, Nargess; Poshtan, Javad TRANSACTIONS OF THE INSTITUTE OF MEASUREMENT AND CONTROL Volume: 38 Issue: 11 Pages: 1283-1297 Published: NOV 2016	2016	TRANSACTIONS OF THE INSTITUTE OF MEASUREMENT AND CONTROL	ISI	1.6
155	Zs. Lendek, R. Babuska, B. De Schutter, Distributed Kalman filtering for cascaded systems, Engineering Applications of Artificial Intelligence, 21 (3), pp. 457-469, 2008	3	Model predictive control design for spatially-distributed system based on input-output data sets, Wang M., Li N., Li S., Zhang W., IFAC Proceedings Volumes (IFAC-PapersOnline), 18 (PART 1), pp. 3641-3646, 2011	2011	IFAC Proceedings Volumes (IFAC-PapersOnline)	BDI	1.6

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156	Zs. Lendek, R. Babuska, B. De Schutter, Distributed Kalman filtering for cascaded systems, Engineering Applications of Artificial Intelligence, 21 (3), pp. 457-469, 2008	3	Sensor Data Fusion by Support Vector Regression Methodology-A Comparative Study By: Shamshirband, Shahaboddin; Petkovic, Dalibor; Javidnia, Hossein; et al. IEEE SENSORS JOURNAL Volume: 15 Issue: 2 Pages: 850-854 Published: FEB 2015	2015	IEEE SENSORS JOURNAL	ISI	1.6
157	Zs. Lendek, R. Babuska, B. De Schutter, Distributed Kalman filtering for cascaded systems, Engineering Applications of Artificial Intelligence, 21 (3), pp. 457-469, 2008	3	Sensor Data Fusion by Support Vector Regression Methodology-A Comparative Study By: Shamshirband, Shahaboddin; Petkovic, Dalibor; Javidnia, Hossein; et al. IEEE SENSORS JOURNAL Volume: 15 Issue: 2 Pages: 850-854 Published: FEB 2015	2015	IEEE SENSORS JOURNAL	ISI	2.6667
158	Zs. Lendek, R. Babuska, B. De Schutter, Distributed Kalman filtering for cascaded systems, Engineering Applications of Artificial Intelligence, 21 (3), pp. 457-469, 2008	3	UWB-Aided Inertial Motion Capture for Lower Body 3-D Dynamic Activity and Trajectory Tracking By: Zihajehzadeh, Shaghayegh; Yoon, Paul K.; Kang, Bong-Soo; et al. IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT Volume: 64 Issue: 12 Pages: 3577-3587 Published: DEC 2015	2015	IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT	ISI	1.6
159	Zs. Lendek, R. Babuska, B. De Schutter, Distributed Kalman filtering for cascaded systems, Engineering Applications of Artificial Intelligence, 21 (3), pp. 457-469, 2008	3	UWB-Aided Inertial Motion Capture for Lower Body 3-D Dynamic Activity and Trajectory Tracking By: Zihajehzadeh, Shaghayegh; Yoon, Paul K.; Kang, Bong-Soo; et al. IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT Volume: 64 Issue: 12 Pages: 3577-3587 Published: DEC 2015	2015	IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT	ISI	1.6
160	Zs. Lendek, R. Babuska, B. De Schutter, Distributed Kalman Filtering for Multi-Agent Systems, Proceedings of the European Control Conference, 2193-2200, Kos, Greece, 2007	3	Multidimensional prognostics for rotating machinery: A review By: Li, Xiaochuan; Duan, Fang; Mba, David; et al. ADVANCES IN MECHANICAL ENGINEERING Volume: 9 Issue: 2 Article Number: 1687814016685004 Published: JAN 1 2017	2017	ADVANCES IN MECHANICAL ENGINEERING	ISI	1.6

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161	Zs. Lendek, T. M. Guerra, J. Lauber, Construction of extended Lyapunov functions and control laws for discrete-time TS systems. In Proceedings of the 2012 IEEE World Congress on Computational Intelligence, IEEE International Conference on Fuzzy Systems, pages 286-291, Brisbane, Australia, June 2012.	3	Asymptotically exact stabilisation for constrained discrete Takagi-Sugeno systems via set-invariance By: Arino, Carlos; Sala, Antonio; Perez, Emilio; et al. FUZZY SETS AND SYSTEMS Volume: 316 Pages: 117-138 Published: JUN 1 2017	2017	FUZZY SETS AND SYSTEMS	ISI	1.6
162	Zs. Lendek, T. M. Guerra, J. Lauber, Construction of extended Lyapunov functions and control laws for discrete-time TS systems. In Proceedings of the 2012 IEEE World Congress on Computational Intelligence, IEEE International Conference on Fuzzy Systems, pages 286-291, Brisbane, Australia, June 2012.	3	New stability and stabilization results for discrete-time switched systems By: Wang, Ruihua; Fei, Shumin APPLIED MATHEMATICS AND COMPUTATION Volume: 238 Pages: 358-369 Published: JUL 1 2014	2014	APPLIED MATHEMATICS AND COMPUTATION	ISI	2.6667
163	Zs. Lendek, T. M. Guerra, J. Lauber, Construction of extended Lyapunov functions and control laws for discrete-time TS systems. In Proceedings of the 2012 IEEE World Congress on Computational Intelligence, IEEE International Conference on Fuzzy Systems, pages 286-291, Brisbane, Australia, June 2012.	3	Output tracking for nonlinear discrete-time systems via fuzzy control approach By: Wang, Ruihua; Fei, Shumin JOURNAL OF THE FRANKLIN INSTITUTE-ENGINEERING AND APPLIED MATHEMATICS Volume: 352 Issue: 10 Pages: 4147-4162 Published: OCT 2015	2015	JOURNAL OF THE FRANKLIN INSTITUTE-ENGINEERING AND APPLIED MATHEMATICS	ISI	1.3333
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165	Zs. Lendek, T. M. Guerra, J. Lauber, Controller design for TS models using non-quadratic Lyapunov functions IEEE Transactions on Cybernetics, 45, 453-464, 2015	3	A Finsler-based Result for the Stability Analysis of Takagi-Sugeno Fuzzy Models with Interval Time-varying Delays By: Bourahala, Faycal; Guelton, Kevin Conference: 11th Asian Control Conference (ASCC) Location: Gold Coast, AUSTRALIA Date: DEC 17-20, 2017 2017 11TH ASIAN CONTROL CONFERENCE (ASCC) Pages: 1743-1748 Published: 2017	2017	Conference: 11th Asian Control Conference (ASCC)	ISI	2.6667

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166	Zs. Lendek, T. M. Guerra, J. Lauber, Controller design for TS models using non-quadratic Lyapunov functions IEEE Transactions on Cybernetics, 45, 453-464, 2015	3	A review on stability analysis of continuous-time fuzzy-model-based control systems: From membership-function-independent to membership-function-dependent analysis By: Lam, H. K. ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE Volume: 67 Pages: 390-408 Published: JAN 2018	2018	ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE	ISI	2.6667
167	Zs. Lendek, T. M. Guerra, J. Lauber, Controller design for TS models using non-quadratic Lyapunov functions IEEE Transactions on Cybernetics, 45, 453-464, 2015	3	Asymptotically exact stabilisation for constrained discrete Takagi-Sugeno systems via set-invariance By: Arino, Carlos; Sala, Antonio; Perez, Emilio; et al. FUZZY SETS AND SYSTEMS Volume: 316 Pages: 117-138 Published: JUN 1 2017	2017	FUZZY SETS AND SYSTEMS	ISI	2.6667
168	Zs. Lendek, T. M. Guerra, J. Lauber, Controller design for TS models using non-quadratic Lyapunov functions IEEE Transactions on Cybernetics, 45, 453-464, 2015	3	Cancellation-Based Nonquadratic Controller Design for Nonlinear Systems via Takagi-Sugeno Models By: Gonzalez, Temoatzin; Bernal, Miguel; Sala, Antonio; et al. IEEE TRANSACTIONS ON CYBERNETICS Volume: 47 Issue: 9 Special Issue: SI Pages: 2628-2638 Published: SEP 2017	2017	IEEE TRANSACTIONS ON CYBERNETICS	ISI	2.6667
169	Zs. Lendek, T. M. Guerra, J. Lauber, Controller design for TS models using non-quadratic Lyapunov functions IEEE Transactions on Cybernetics, 45, 453-464, 2015	3	Control Analysis and Synthesis through Polytopic Tensor Product Model: a General Concept By: Kuti, Jozsef; Galambos, Peter; Baranyi, Peter Conference: 20th World Congress of the International-Federation-of-Automatic-Control (IFAC) Location: Toulouse, FRANCE Date: JUL 09-14, 2017 Sponsor(s): Int Federat Automat Control; Continental Automot; Occitanie Reg; Toulouse Metropole; CNES; Univ Toulouse III; Paul Sabatier; Inria; CNRS; OPTITRACK; MDPI; ISAE Supaero; iCODE; EECl; Int Journal Automat & Comp; IEEE CAA Journal Automatica Sinica; Moveo IFAC PAPERSONLINE Volume: 50 Issue: 1 Pages: 6558-6563 Published: 2017	2017	Conference: 20th World Congress of the International-Federation-of-Automatic-Control (IFAC)	ISI	2.6667

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170	Zs. Lendek, T. M. Guerra, J. Lauber, Controller design for TS models using non-quadratic Lyapunov functions IEEE Transactions on Cybernetics, 45, 453-464, 2015	3	Control Synthesis of Discrete-Time T-S Fuzzy Systems: Reducing the Conservatism Whilst Alleviating the Computational Burden By: Xie, Xiangpeng; Yue, Dong; Zhang, Huaguang; et al. IEEE TRANSACTIONS ON CYBERNETICS Volume: 47 Issue: 9 Special Issue: SI Pages: 2480-2491 Published: SEP 2017	2017	IEEE TRANSACTIONS ON CYBERNETICS	ISI	2.6667
171	Zs. Lendek, T. M. Guerra, J. Lauber, Controller design for TS models using non-quadratic Lyapunov functions IEEE Transactions on Cybernetics, 45, 453-464, 2015	3	Design of Fuzzy Functional Observer-Controller via Higher Order Derivatives of Lyapunov Function for Nonlinear Systems By: Liu, Chuang; Lam, Hak-Keung; Fernando, Tyrone; et al. IEEE TRANSACTIONS ON CYBERNETICS Volume: 47 Issue: 7 Pages: 1630-1640 Published: JUL 2017	2017	IEEE TRANSACTIONS ON CYBERNETICS	ISI	2.6667
172	Zs. Lendek, T. M. Guerra, J. Lauber, Controller design for TS models using non-quadratic Lyapunov functions IEEE Transactions on Cybernetics, 45, 453-464, 2015	3	H-infinity filtering for T-S fuzzy complex networks subject to sensor saturation via delayed information By: Sheng, Suying; Zhang, Xiaomei IET CONTROL THEORY AND APPLICATIONS Volume: 11 Issue: 14 Pages: 2370-2382 Published: SEP 14 2017	2017	IET CONTROL THEORY AND APPLICATIONS	ISI	2.6667
173	Zs. Lendek, T. M. Guerra, J. Lauber, Controller design for TS models using non-quadratic Lyapunov functions IEEE Transactions on Cybernetics, 45, 453-464, 2015	3	H-infinity Output Tracking Control for Time-Delay Systems Based on TS-SCMAC By: Chiang, Tung-Sheng; Hu, Wen-Fong; Chiu, Chian-Song; et al. INTERNATIONAL JOURNAL OF FUZZY SYSTEMS Volume: 18 Issue: 1 Pages: 52-61 Published: FEB 2016	2016	INTERNATIONAL JOURNAL OF FUZZY SYSTEMS	ISI	2.6667
174	Zs. Lendek, T. M. Guerra, J. Lauber, Controller design for TS models using non-quadratic Lyapunov functions IEEE Transactions on Cybernetics, 45, 453-464, 2015	3	Model Reduction of T-S Fuzzy Systems with Time-Varying Delays By: Zhou Hongying; Su Xiaojie; Song Yongduan; et al. Conference: 34th Chinese Control Conference (CCC) Location: Hangzhou, PEOPLES R CHINA Date: JUL 28-30, 2015 Sponsor(s): Chinese Assoc Automat, Tech Comm Control Theory; Hangzhou Dianzi Univ 2015 34TH CHINESE CONTROL CONFERENCE (CCC) Book Series: Chinese Control Conference Pages: 1963-1966 Published: 2015	2015	Conference: 34th Chinese Control Conference (CCC)	ISI	2.6667

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175	Zs. Lendek, T. M. Guerra, J. Lauber, Controller design for TS models using non-quadratic Lyapunov functions IEEE Transactions on Cybernetics, 45, 453-464, 2015	3	New Approach of Stabilization Based on New Lyapunov Function for Nonlinear Takagi-Sugeno Discrete-Time Uncertain Systems By: Bouyahya, Ali; Manai, Yassine; Haggege, Joseph JOURNAL OF CONTROL AUTOMATION AND ELECTRICAL SYSTEMS Volume: 28 Issue: 2 Pages: 171-179 Published: APR 2017	2017	JOURNAL OF CONTROL AUTOMATION AND ELECTRICAL SYSTEMS	ISI	2.6667
176	Zs. Lendek, T. M. Guerra, J. Lauber, Controller design for TS models using non-quadratic Lyapunov functions IEEE Transactions on Cybernetics, 45, 453-464, 2015	3	New relaxed stability and stabilization conditions for continuous-time T-S fuzzy models By: Chen, Jun; Xu, Shengyuan; Zhang, Baoyong; et al. INFORMATION SCIENCES Volume: 329 Special Issue: SI Pages: 447-460 Published: FEB 1 2016	2016	INFORMATION SCIENCES	ISI	2.6667
177	Zs. Lendek, T. M. Guerra, J. Lauber, Controller design for TS models using non-quadratic Lyapunov functions IEEE Transactions on Cybernetics, 45, 453-464, 2015	3	New Stability Criteria for Discrete-Time Fuzzy Systems with Time-Varying Delays By: Chen, Jun; Zhang, Baoyong Conference: 12th World Congress on Intelligent Control and Automation (WCICA) Location: Guilin, PEOPLES R CHINA Date: JUN 12-15, 2016 Sponsor(s): IEEE PROCEEDINGS OF THE 2016 12TH WORLD CONGRESS ON INTELLIGENT CONTROL AND AUTOMATION (WCICA) Pages: 733-737 Published: 2016	2016	Conference: 12th World Congress on Intelligent Control and Automation (WCICA)	ISI	2.6667
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183	Zs. Lendek, T. M. Guerra, R. Babuska, B. De Schutter, Stability analysis and nonlinear observer design using Takagi-Sugeno fuzzy models, Springer, 2010	4	Actuator Fault Diagnosis and Fault-Tolerant Control of Wind Turbines using a Takagi-Sugeno Sliding Mode Observer By: Georg, Soeren; Schulte, Horst Book Group Author(s): IEEE Conference: 2nd International Conference on Control and Fault-Tolerant Systems (SysTol) Location: Nice, FRANCE Date: OCT 09-11, 2013 Sponsor(s): IEEE; IEEE Control Syst Soc; IEEE Reliabil Soc; Res Ctr Automat Control Nancy; Univ Lorraine 2013 2ND INTERNATIONAL CONFERENCE ON CONTROL AND FAULT-TOLERANT SYSTEMS (SYSTOL) Book Series: Conference on Control and Fault-Tolerant Systems Pages: 516-522 Published: 2013	2013	Conference: 2nd International Conference on Control and Fault-Tolerant Systems	ISI	2.6667

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188	Zs. Lendek, T. M. Guerra, R. Babuska, B. De Schutter, Stability analysis and nonlinear observer design using Takagi-Sugeno fuzzy models, Springer, 2010	4	An Adaptive Observer Design for Takagi-Sugeno type Nonlinear System By: Srinivasarengan, Krishnan; Ragot, Jose; Maquin, Didier; et al. Conference: 20th World Congress of the International-Federation-of-Automatic-Control (IFAC) Location: Toulouse, FRANCE Date: JUL 09-14, 2017 Sponsor(s): Int Federat Automat Control; Continental Automot; Occitanie Reg; Toulouse Metropole; CNES; Univ Toulouse III; Paul Sabatier; Inria; CNRS; OPTITRACK; MDPI; ISAE Supaero; iCODE; EECl; Int Journal Automat & Comp; IEEE CAA Journal Automatica Sinica; Moveo IFAC PAPERSONLINE Volume: 50 Issue: 1 Pages: 826-831 Published: 2017	2017	Conference: 20th World Congress of the International-Federation-of-Automatic-Control (IFAC)	ISI	2.6667

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192	Zs. Lendek, T. M. Guerra, R. Babuska, B. De Schutter, Stability analysis and nonlinear observer design using Takagi-Sugeno fuzzy models, Springer, 2010	4	Cancellation-Based Nonquadratic Controller Design for Nonlinear Systems via Takagi-Sugeno Models By: Gonzalez, Temoatzin; Bernal, Miguel; Sala, Antonio; et al. IEEE TRANSACTIONS ON CYBERNETICS Volume: 47 Issue: 9 Special Issue: SI Pages: 2628-2638 Published: SEP 2017	2017	IEEE TRANSACTIONS ON CYBERNETICS	ISI	2

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194	Zs. Lendek, T. M. Guerra, R. Babuska, B. De Schutter, Stability analysis and nonlinear observer design using Takagi-Sugeno fuzzy models, Springer, 2010	4	Contribution to state and sensor fault estimation applied to PEM fuel cell systems By: Olteanu, Severus; Aitouche, Abdel; Belkoura, Lotfi Conference: 5th International Conference on Systems and Control (ICSC) Location: Fac Sci Semlalia, Marrakech, MOROCCO Date: MAY 25-27, 2016 Sponsor(s): Univ Caddi Ayyad; Soc Sci Dev & New Technologies; IEEE Control Syst Soc 2016 5TH INTERNATIONAL CONFERENCE ON SYSTEMS AND CONTROL (ICSC) Book Series: International Conference on Systems and Control Pages: 217-224 Published: 2016	2016	Conference: 5th International Conference on Systems and Control (ICSC)	ISI	2
195	Zs. Lendek, T. M. Guerra, R. Babuska, B. De Schutter, Stability analysis and nonlinear observer design using Takagi-Sugeno fuzzy models, Springer, 2010	4	Decentralized control of heavy-haul trains with input constraints and communication delays By: Gao, Kai; Huang, Zhiwu; Wang, Jing; et al. CONTROL ENGINEERING PRACTICE Volume: 21 Issue: 4 Pages: 420-427 Published: APR 2013	2013	CONTROL ENGINEERING PRACTICE	ISI	2

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198	Zs. Lendek, T. M. Guerra, R. Babuska, B. De Schutter, Stability analysis and nonlinear observer design using Takagi-Sugeno fuzzy models, Springer, 2010	4	Diagnostic Observer Design for T-S Fuzzy Systems: Application to Real-Time-Weighted Fault-Detection Approach By: Li, Linlin; Chadli, Mohammed; Ding, Steven X.; et al. IEEE TRANSACTIONS ON FUZZY SYSTEMS Volume: 26 Issue: 2 Pages: 805-816 Published: APR 2018	2018	IEEE TRANSACTIONS ON FUZZY SYSTEMS	ISI	2
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204	Zs. Lendek, T. M. Guerra, R. Babuska, B. De Schutter, Stability analysis and nonlinear observer design using Takagi-Sugeno fuzzy models, Springer, 2010	4	Evolving Neuro-Fuzzy network modeling approach based on recursive fuzzy instrumental variable By: Rocha Filho, Orlando Donato; de Oliveira, Ginalber Luiz Serra JOURNAL OF INTELLIGENT & FUZZY SYSTEMS Volume: 32 Issue: 6 Pages: 4159-4172 Published: 2017	2017	JOURNAL OF INTELLIGENT & FUZZY SYSTEMS	ISI	2
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207	Zs. Lendek, T. M. Guerra, R. Babuska, B. De Schutter, Stability analysis and nonlinear observer design using Takagi-Sugeno fuzzy models, Springer, 2010	4	Fault-Tolerant Control of Wind Turbines using a Takagi-Sugeno Sliding Mode Observer By: Georg, Soeren; Schulte, Horst Edited by: Bak, C; Bechmann, A; Bingol, F; et al. Conference: 5th Science of Making Torque from Wind Conference Location: Tech Univ Denmark, Copenhagen, DENMARK Date: JUN 18-20, 2014 Sponsor(s): European Acad Wing Energy SCIENCE OF MAKING TORQUE FROM WIND 2014 (TORQUE 2014) Book Series: Journal of Physics Conference Series Volume: 524 Article Number: 012053 Published: 2014	2014	Conference: 5th Science of Making Torque from Wind	ISI	2
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210	Zs. Lendek, T. M. Guerra, R. Babuska, B. De Schutter, Stability analysis and nonlinear observer design using Takagi-Sugeno fuzzy models, Springer, 2010	4	Fuzzy Sampled-Data Control for Uncertain Vehicle Suspension Systems By: Li, Hongyi; Jing, Xingjian; Lam, Hak-Keung; et al. IEEE TRANSACTIONS ON CYBERNETICS Volume: 44 Issue: 7 Pages: 1111-1126 Published: JUL 2014	2014	IEEE TRANSACTIONS ON CYBERNETICS	ISI	2
211	Zs. Lendek, T. M. Guerra, R. Babuska, B. De Schutter, Stability analysis and nonlinear observer design using Takagi-Sugeno fuzzy models, Springer, 2010	4	Generalized dynamical fuzzy model for identification and prediction By: Saoud, Lyes Saad; Rahmoune, Faycal; Tourtchine, Victor; et al. JOURNAL OF INTELLIGENT & FUZZY SYSTEMS Volume: 26 Issue: 4 Pages: 1771-1785 Published: 2014	2014	JOURNAL OF INTELLIGENT & FUZZY SYSTEMS	ISI	2
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213	Zs. Lendek, T. M. Guerra, R. Babuska, B. De Schutter, Stability analysis and nonlinear observer design using Takagi-Sugeno fuzzy models, Springer, 2010	4	Guaranteed cost fuzzy state observer design for semilinear parabolic PDE systems under pointwise measurements By: Wu, Huai-Ning; Zhu, Huan-Yu AUTOMATICA Volume: 85 Pages: 53-60 Published: NOV 2017	2017	AUTOMATICA	ISI	2

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217	Zs. Lendek, T. M. Guerra, R. Babuska, B. De Schutter, Stability analysis and nonlinear observer design using Takagi-Sugeno fuzzy models, Springer, 2010	4	Input-to-state stability analysis of small wind turbines using LMI conditions By: Schulte, Horst; Gauterin, Eckhard AT-AUTOMATISIERUNGSTECHNIK Volume: 62 Issue: 10 Special Issue: SI Pages: 698-707 Published: OCT 2014	2014	AT-AUTOMATISIERUNGSTEC HNIK	ISI	2
218	Zs. Lendek, T. M. Guerra, R. Babuska, B. De Schutter, Stability analysis and nonlinear observer design using Takagi-Sugeno fuzzy models, Springer, 2010	4	ISS for nonlinear systems in Takagi-Sugeno's form using quadratic and non-quadratic Lyapunov Functions By: Schulte, Horst; Gauterin, Eckhard Edited by: Yazici, A; Pal, NR; Kaymak, U; et al. Conference: IEEE International Conference on Fuzzy Systems (FUZZ-IEEE) Location: Istanbul, TURKEY Date: AUG 02-05, 2015 Sponsor(s): IEEE; IEEE Computat Intelligence Soc; Middle E Tech Univ; Kadir Has Univ; Eindhoven Univ Technol 2015 IEEE INTERNATIONAL CONFERENCE ON FUZZY SYSTEMS (FUZZ-IEEE 2015) Book Series: IEEE International Fuzzy Systems Conference Proceedings Published: 2015	2015	2015 IEEE INTERNATIONAL CONFERENCE ON FUZZY SYSTEMS	ISI	2

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220	Zs. Lendek, T. M. Guerra, R. Babuska, B. De Schutter, Stability analysis and nonlinear observer design using Takagi-Sugeno fuzzy models, Springer, 2010	4	Local Stability Analysis of Takagi-Sugeno Systems Subject to their Universe of Discourse By: Diepold, Klaus J.; Albert, Klaus AT-AUTOMATISIERUNGSTECHNIK Volume: 62 Issue: 10 Special Issue: SI Pages: 687-697 Published: OCT 2014	2014	AT-AUTOMATISIERUNGSTEC HNIK	ISI	2
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230	Zs. Lendek, T. M. Guerra, R. Babuska, B. De Schutter, Stability analysis and nonlinear observer design using Takagi-Sugeno fuzzy models, Springer, 2010	4	Nonlinear Quadratic Estimator with Selective Error State Weighting By: Gauterin, Eckhard; Poeschke, Florian; Goldschmidt, Nico; et al. Conference: Conference on Evolving and Adaptive Intelligent Systems (EAIS) Location: Ljubljana, SLOVENIA Date: MAY 31-JUN 02, 2017 PROCEEDINGS OF THE 2017 EVOLVING AND ADAPTIVE INTELLIGENT SYSTEMS (EAIS) Published: 2017	2017	Conference: Conference on Evolving and Adaptive Intelligent Systems (EAIS)	ISI	2
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233	Zs. Lendek, T. M. Guerra, R. Babuska, B. De Schutter, Stability analysis and nonlinear observer design using Takagi-Sugeno fuzzy models, Springer, 2010	4	Nonlinear Wind Turbine Controller for Variable Power Generation in Full Load Region By: Poeschke, Florian; Fortmann, Jens; Schulte, Horst Conference: American Control Conference (ACC) Location: Seattle, WA Date: MAY 24-26, 2017 Sponsor(s): GE Global Res; Mitsubishi Elect Res Labs; Eaton; United Technologies Res Ctr; MathWorks; Amer Automat Control Council 2017 AMERICAN CONTROL CONFERENCE (ACC) Book Series: Proceedings of the American Control Conference Pages: 1395-1400 Published: 2017	2017	Conference: American Control Conference (ACC)	ISI	2
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239	Zs. Lendek, T. M. Guerra, R. Babuska, B. De Schutter, Stability analysis and nonlinear observer design using Takagi-Sugeno fuzzy models, Springer, 2010	4	Observer Synthesis for Uncertain T-S Fuzzy Systems with the Actuator and Output Disturbances By: Van-Phong Vu; Wang, Wen-June Conference: 4th International Conference on Control, Automation and Robotics (ICCAR) Location: Auckland, NEW ZEALAND Date: APR 20-23, 2018 CONFERENCE PROCEEDINGS OF 2018 4TH INTERNATIONAL CONFERENCE ON CONTROL, AUTOMATION AND ROBOTICS (ICCAR) Pages: 247-251 Published: 2018	2018	Conference: 4th International Conference on Control, Automation and Robotics (ICCAR)	ISI	2
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242	Zs. Lendek, T. M. Guerra, R. Babuska, B. De Schutter, Stability analysis and nonlinear observer design using Takagi-Sugeno fuzzy models, Springer, 2010	4	On nonlinear observers in Takagi-Sugeno form based on fixed and variable structure By: Schulte, Horst Conference: IEEE International Conference on Fuzzy Systems (FUZZ-IEEE) Location: Vancouver, CANADA Date: JUL 24-29, 2016 Sponsor(s): IEEE; IEEE Computat Intelligence Soc; Int Neural Network Soc; Evolutionary Programming Soc; IET; Gulf Univ Sci & Technol; IEEE Big Data Initiat 2016 IEEE INTERNATIONAL CONFERENCE ON FUZZY SYSTEMS (FUZZ-IEEE) Book Series: IEEE International Fuzzy Systems Conference Proceedings Pages: 2364-2371 Published: 2016	2016	Conference: IEEE International Conference on Fuzzy Systems (FUZZ-IEEE)	ISI	2
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248	Zs. Lendek, T. M. Guerra, R. Babuska, B. De Schutter, Stability analysis and nonlinear observer design using Takagi-Sugeno fuzzy models, Springer, 2010	4	Quadratic Design of D-stabilizing Non-PDC Controllers for Quasi-LPV/T-S Models By: Cherifi, Abdelmadjid; Guelton, Kevin; Arcese, Laurent Conference: 1st IFAC Workshop on Linear Parameter Varying Systems LPVS 2015 Location: Grenoble, FRANCE Date: OCT 07-09, 2015 IFAC PAPERSONLINE Volume: 48 Issue: 26 Pages: 164-169 Published: 2015	2015	Conference: 1st IFAC Workshop on Linear Parameter Varying Systems LPVS	ISI	2

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250	Zs. Lendek, T. M. Guerra, R. Babuska, B. De Schutter, Stability analysis and nonlinear observer design using Takagi-Sugeno fuzzy models, Springer, 2010	4	Relaxed Design Conditions for Takagi-Sugeno Unknown Input Observers By: Krokavec, Dusan; Filasova, Anna Conference: 15th IEEE International Symposium on Applied Machine Intelligence and Informatics (SAMI) Location: Herlany, SLOVAKIA Date: JAN 26-28, 2017 Sponsor(s): IEEE 2017 IEEE 15TH INTERNATIONAL SYMPOSIUM ON APPLIED MACHINE INTELLIGENCE AND INFORMATICS (SAMI) Pages: 61-66 Published: 2017	2017	Conference: 15th IEEE International Symposium on Applied Machine Intelligence and Informatics (SAMI)	ISI	2
251	Zs. Lendek, T. M. Guerra, R. Babuska, B. De Schutter, Stability analysis and nonlinear observer design using Takagi-Sugeno fuzzy models, Springer, 2010	4	Robust fuzzy controller design for dynamic positioning system of ships By: Ngongi, Werneld Egno; Du, Jialu; Wang, Rui INTERNATIONAL JOURNAL OF CONTROL AUTOMATION AND SYSTEMS Volume: 13 Issue: 5 Pages: 1294-1305 Published: OCT 2015	2015	INTERNATIONAL JOURNAL OF CONTROL AUTOMATION AND SYSTEMS	ISI	2
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255	Zs. Lendek, T. M. Guerra, R. Babuska, B. De Schutter, Stability analysis and nonlinear observer design using Takagi-Sugeno fuzzy models, Springer, 2010	4	ROBUST SENSOR FAULT ESTIMATION FOR DESCRIPTOR-LPV SYSTEMS WITH UNMEASURABLE GAIN SCHEDULING FUNCTIONS: APPLICATION TO AN ANAEROBIC BIOREACTOR By: Lopez-Estrada, Francisco-Ronay; Ponsart, Jean-Christophe; Theilliol, Didier; et al. INTERNATIONAL JOURNAL OF APPLIED MATHEMATICS AND COMPUTER SCIENCE Volume: 25 Issue: 2 Pages: 233-244 Published: JUN 2015	2015	INTERNATIONAL JOURNAL OF APPLIED MATHEMATICS AND COMPUTER SCIENCE	ISI	2
256	Zs. Lendek, T. M. Guerra, R. Babuska, B. De Schutter, Stability analysis and nonlinear observer design using Takagi-Sugeno fuzzy models, Springer, 2010	4	Robust Takagi-Sugeno Fuzzy Dynamic Regulator for Trajectory Tracking of a Pendulum-Cart System By: Llama, Miguel A.; De La Torre, Wilfredo; Jurado, Francisco; et al. MATHEMATICAL PROBLEMS IN ENGINEERING Article Number: 247682 Published: 2015	2015	MATHEMATICAL PROBLEMS IN ENGINEERING	ISI	2
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260	Zs. Lendek, T. M. Guerra, R. Babuska, B. De Schutter, Stability analysis and nonlinear observer design using Takagi-Sugeno fuzzy models, Springer, 2010	4	Static output-feedback controller design for a fish population system By: Kaddour, Achraf Ait; El Mazoudi, El Houssine; Benjelloun, Khalid; et al. APPLIED SOFT COMPUTING Volume: 29 Pages: 280-287 Published: APR 2015	2015	APPLIED SOFT COMPUTING	ISI	1.6
261	Zs. Lendek, T. M. Guerra, R. Babuska, B. De Schutter, Stability analysis and nonlinear observer design using Takagi-Sugeno fuzzy models, Springer, 2010	4	Subspace-Based Takagi-Sugeno Modeling for Improved LMI Performance By: Robles, Ruben; Sala, Antonio; Bernal, Miguel; et al. IEEE TRANSACTIONS ON FUZZY SYSTEMS Volume: 25 Issue: 4 Pages: 754-767 Published: AUG 2017	2017	IEEE TRANSACTIONS ON FUZZY SYSTEMS	ISI	1.6
262	Zs. Lendek, T. M. Guerra, R. Babuska, B. De Schutter, Stability analysis and nonlinear observer design using Takagi-Sugeno fuzzy models, Springer, 2010	4	Swarm stability for high-order linear time-invariant singular multi-agent systems By: Xi, Jianxiang; Yao, Zhicheng; Liu, Guangbin; et al. INTERNATIONAL JOURNAL OF SYSTEMS SCIENCE Volume: 46 Issue: 8 Pages: 1458-1471 Published: JUN 11 2015	2015	INTERNATIONAL JOURNAL OF SYSTEMS SCIENCE	ISI	0.8

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264	Zs. Lendek, T. M. Guerra, R. Babuska, B. De Schutter, Stability analysis and nonlinear observer design using Takagi-Sugeno fuzzy models, Springer, 2010	4	Towards a Global Nonquadratic Controller Design for Nonlinear Systems via Robust Differentiators and Takagi-Sugeno Models By: Aguiar, Braulio; Marquez, Raymundo; Bernal, Miguel Edited by: Yazici, A; Pal, NR; Kaymak, U; et al. Conference: IEEE International Conference on Fuzzy Systems (FUZZ-IEEE) Location: Istanbul, TURKEY Date: AUG 02-05, 2015 Sponsor(s): IEEE; IEEE Computat Intelligence Soc; Middle E Tech Univ; Kadir Has Univ; Eindhoven Univ Technol 2015 IEEE INTERNATIONAL CONFERENCE ON FUZZY SYSTEMS (FUZZ-IEEE 2015) Book Series: IEEE International Fuzzy Systems Conference Proceedings Published: 2015	2015	2015 IEEE INTERNATIONAL CONFERENCE ON FUZZY SYSTEMS	ISI	1.6
265	Zs. Lendek, T. M. Guerra, R. Babuska, B. De Schutter, Stability analysis and nonlinear observer design using Takagi-Sugeno fuzzy models, Springer, 2010	4	Tracking Control of Chaotic Spinning Disks via Nonlinear Dynamic Output Feedback with Input Constraints By: Asemani, Mohammad Hassan; Vatankhah, Ramin COMPLEXITY Volume: 21 Issue: S1 Pages: 148-159 Published: SEP-OCT 2016	2016	COMPLEXITY	ISI	1.6
266	Zs. Lendek, T. M. Guerra, R. Babuska, B. De Schutter, Stability analysis and nonlinear observer design using Takagi-Sugeno fuzzy models, Springer, 2010	4	Universal Fuzzy Integral Sliding-Mode Controllers for Stochastic Nonlinear Systems By: Gao, Qing; Liu, Lu; Feng, Gang; et al. IEEE TRANSACTIONS ON CYBERNETICS Volume: 44 Issue: 12 Pages: 2658-2669 Published: DEC 2014	2014	IEEE TRANSACTIONS ON CYBERNETICS	ISI	1.6
267	Zs. Lendek, T. M. Guerra, R. Babuska, B. De Schutter, Stability analysis and nonlinear observer design using Takagi-Sugeno fuzzy models, Springer, 2010	4	Unknown Input Method Based Observer Synthesis for a Discrete Time Uncertain T-S Fuzzy System By: Van-Phong Vu; Wang, Wen-June; Zurada, Jacek M.; et al. IEEE TRANSACTIONS ON FUZZY SYSTEMS Volume: 26 Issue: 2 Pages: 761-770 Published: APR 2018	2018	IEEE TRANSACTIONS ON FUZZY SYSTEMS	ISI	1.6

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269	Zs. Lendek, T. M. Guerra, R. Babuska, B. De Schutter, Stability analysis and nonlinear observer design using Takagi-Sugeno fuzzy models, Springer, 2010	4	Wind Turbine Model and Observer in Takagi-Sugeno Model Structure By: Georg, Soeren; Mueller, Matthias; Schulte, Horst Book Group Author(s): IOP Conference: 4th Scientific Conference on Science of Making Torque from Wind Location: Oldenburg, GERMANY Date: OCT 09-11, 2012 Sponsor(s): European Acad Wind Energy; ForWind; Bremen Hannover Oldenburg SCIENCE OF MAKING TORQUE FROM WIND 2012 Book Series: Journal of Physics Conference Series Volume: 555 Published: 2014	2014	Conference: 4th Scientific Conference on Science of Making Torque from Wind Location	ISI	1.6
270	Zs. Lendek, T. M. Guerra, R. Babuska, On non-PDC Local Observers for TS Fuzzy Systems. In Proceedings of the 2010 IEEE World Congress on Computational Intelligence, pages 2436-2442, Barcelona, Spain, July 2010.	3	An LMI-Based Global Non-Quadratic Observer Design via Takagi-Sugeno Models and Levant's Robust Differentiators By: Aguiar, Braulio; Marquez, Raymundo; Bernal, Miguel Conference: American Control Conference (ACC) Location: Boston, MA Date: JUL 06-08, 2016 Sponsor(s): Amer Automat Control Council 2016 AMERICAN CONTROL CONFERENCE (ACC) Book Series: Proceedings of the American Control Conference Pages: 119-124 Published: 2016	2016	Conference: American Control Conference (ACC)	ISI	1.6

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272	Zs. Lendek, T. M. Guerra, R. Babuska, On non-PDC Local Observers for TS Fuzzy Systems. In Proceedings of the 2010 IEEE World Congress on Computational Intelligence, pages 2436-2442, Barcelona, Spain, July 2010.	3	New approaches to observer design and stability analysis for T-S fuzzy system with multiplicative noise By: Xie, Wen-Bo; Lim, Cheng-Chew; Zhang, Jian; et al. JOURNAL OF THE FRANKLIN INSTITUTE-ENGINEERING AND APPLIED MATHEMATICS Volume: 354 Issue: 2 Pages: 887-901 Published: JAN 2017	2017	JOURNAL OF THE FRANKLIN INSTITUTE-ENGINEERING AND APPLIED MATHEMATICS	ISI	1.6
273	Zs. Lendek, T. M. Guerra, R. Babuska, On non-PDC Local Observers for TS Fuzzy Systems. In Proceedings of the 2010 IEEE World Congress on Computational Intelligence, pages 2436-2442, Barcelona, Spain, July 2010.	3	Observer based control for a PV system modeled by a Fuzzy Takagi Sugeno model By: Cristian, Miron; Dumitru, Popescu; Abdel, Aitouche; et al. Conference: 19th International Conference on System Theory, Control and Computing (ICSTCC) Location: ROMANIA Date: OCT 14-16, 2015 Sponsor(s): IEEE Control Syst Soc; Dunarea Jos Univ Galati, Fac Automat Control Comp Elect & Elect Engn; Univ Craiova, Fac Automat Comp & Elect; Gheorghe Asachi Tech Univ Iasi, Fac Automat Control & Comp Engn; NAPA; Natl Author Sci Res & Innovat, Minist Educ & Res Romania; Control Syst Comp & Elect Engn Soc; Romanian Soc Automat Control & Tech Informat 2015 19TH INTERNATIONAL CONFERENCE ON SYSTEM THEORY, CONTROL AND COMPUTING (ICSTCC) Pages: 652-657 Published: 2015	2015	19th International Conference on System Theory, Control and Computing (ICSTCC)	ISI	1.6

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275	Zs. Lendek, J. Lauber, T. M. Guerra, R. Babuska, B. De Schutter, Adaptive observers for TS fuzzy systems with unknown polynomial inputs, Fuzzy Sets and Systems, 161 (15), pp. 2043-2065, 2010	5	A new adaptive fuzzy sliding mode observer for a class of MIMO nonlinear systems By: Gholami, Alireza; Markazi, Amir H. D. NONLINEAR DYNAMICS Volume: 70 Issue: 3 Pages: 2095-2105 Published: NOV 2012	2012	NONLINEAR DYNAMICS	ISI	2.6667
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279	Zs. Lendek, J. Lauber, T. M. Guerra, R. Babuska, B. De Schutter, Adaptive observers for TS fuzzy systems with unknown polynomial inputs, Fuzzy Sets and Systems, 161 (15), pp. 2043-2065, 2010	5	A survey on industrial applications of fuzzy control By: Precup, Radu-Emil; Hellendoorn, Hans COMPUTERS IN INDUSTRY Volume: 62 Issue: 3 Pages: 213-226 Published: APR 2011	2011	COMPUTERS IN INDUSTRY	ISI	2.6667
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284	Zs. Lendek, J. Lauber, T. M. Guerra, R. Babuska, B. De Schutter, Adaptive observers for TS fuzzy systems with unknown polynomial inputs, Fuzzy Sets and Systems, 161 (15), pp. 2043-2065, 2010	5	An Adaptive Observer Design for Takagi-Sugeno type Nonlinear System By: Srinivasarengan, Krishnan; Ragot, Jose; Maquin, Didier; et al. Conference: 20th World Congress of the International-Federation-of-Automatic-Control (IFAC) Location: Toulouse, FRANCE Date: JUL 09-14, 2017 Sponsor(s): Int Federat Automat Control; Continental Automot; Occitanie Reg; Toulouse Metropole; CNES; Univ Toulouse III; Paul Sabatier; Inria; CNRS; OPTITRACK; MDPI; ISAE Supaero; iCODE; EECI; Int Journal Automat & Comp; IEEE CAA Journal Automatica Sinica; Moveo IFAC PAPERSONLINE Volume: 50 Issue: 1 Pages: 826-831 Published: 2017	2017	Conference: 20th World Congress of the International-Federation-of-Automatic-Control	ISI	2.6667
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290	Zs. Lendek, J. Lauber, T. M. Guerra, R. Babuska, B. De Schutter, Adaptive observers for TS fuzzy systems with unknown polynomial inputs, Fuzzy Sets and Systems, 161 (15), pp. 2043-2065, 2010	5	Fuzzy almost disturbance decoupling for MIMO nonlinear uncertain systems based on high-gain observer By: Li, Changying; Wang, Wei NEUROCOMPUTING Volume: 111 Pages: 104-114 Published: JUL 2 2013	2013	NEUROCOMPUTING	ISI	2.6667
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294	Zs. Lendek, J. Lauber, T. M. Guerra, R. Babuska, B. De Schutter, Adaptive observers for TS fuzzy systems with unknown polynomial inputs, Fuzzy Sets and Systems, 161 (15), pp. 2043-2065, 2010	5	Indirect adaptive fuzzy observer and controller design based on interval type-2 T-S fuzzy model By: Li, Yimin; Du, Yijun APPLIED MATHEMATICAL MODELLING Volume: 36 Issue: 4 Pages: 1558-1569 Published: APR 2012	2012	APPLIED MATHEMATICAL MODELLING	ISI	2
295	Zs. Lendek, J. Lauber, T. M. Guerra, R. Babuska, B. De Schutter, Adaptive observers for TS fuzzy systems with unknown polynomial inputs, Fuzzy Sets and Systems, 161 (15), pp. 2043-2065, 2010	5	New approaches to observer design and stability analysis for T-S fuzzy system with multiplicative noise By: Xie, Wen-Bo; Lim, Cheng-Chew; Zhang, Jian; et al. JOURNAL OF THE FRANKLIN INSTITUTE-ENGINEERING AND APPLIED MATHEMATICS Volume: 354 Issue: 2 Pages: 887-901 Published: JAN 2017	2017	JOURNAL OF THE FRANKLIN INSTITUTE-ENGINEERING AND APPLIED MATHEMATICS	ISI	2.6667
296	Zs. Lendek, J. Lauber, T. M. Guerra, R. Babuska, B. De Schutter, Adaptive observers for TS fuzzy systems with unknown polynomial inputs, Fuzzy Sets and Systems, 161 (15), pp. 2043-2065, 2010	5	New incremental Takagi-Sugeno state model for optimal control of multivariable nonlinear time delay systems By: Mohammed Al-Hadithi, Basil; Jimenez, Agustin; Perez-Oria, Juan ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE Volume: 45 Pages: 259-268 Published: OCT 2015	2015	ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE	ISI	1

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298	Zs. Lendek, J. Lauber, T. M. Guerra, R. Babuska, B. De Schutter, Adaptive observers for TS fuzzy systems with unknown polynomial inputs, Fuzzy Sets and Systems, 161 (15), pp. 2043-2065, 2010	5	NONLINEAR ACTUATOR FAULT ESTIMATION OBSERVER: AN INVERSE SYSTEM APPROACH VIA A T-S FUZZY MODEL By: Xu, Dezhi; Jiang, Bin; Shi, Peng INTERNATIONAL JOURNAL OF APPLIED MATHEMATICS AND COMPUTER SCIENCE Volume: 22 Issue: 1 Pages: 183-196 Published: MAR 2012	2012	INTERNATIONAL JOURNAL OF APPLIED MATHEMATICS AND COMPUTER SCIENCE	ISI	2
299	Zs. Lendek, J. Lauber, T. M. Guerra, R. Babuska, B. De Schutter, Adaptive observers for TS fuzzy systems with unknown polynomial inputs, Fuzzy Sets and Systems, 161 (15), pp. 2043-2065, 2010	5	Observer-based H-infinity controller design for interval type-2 T-S fuzzy systems By: Zhao, Tao; Wei, Zhenbo; Dian, Songyi; et al. NEUROCOMPUTING Volume: 177 Pages: 9-25 Published: FEB 12 2016	2016	NEUROCOMPUTING	ISI	1.6
300	Zs. Lendek, J. Lauber, T. M. Guerra, R. Babuska, B. De Schutter, Adaptive observers for TS fuzzy systems with unknown polynomial inputs, Fuzzy Sets and Systems, 161 (15), pp. 2043-2065, 2010	5	On observer-based controller design for Sugeno systems with unmeasurable premise variables By: Moodi, Hoda; Farrokhi, Mohammad ISA TRANSACTIONS Volume: 53 Issue: 2 Pages: 305-316 Published: MAR 2014	2014	ISA TRANSACTIONS	ISI	1.6
301	Zs. Lendek, J. Lauber, T. M. Guerra, R. Babuska, B. De Schutter, Adaptive observers for TS fuzzy systems with unknown polynomial inputs, Fuzzy Sets and Systems, 161 (15), pp. 2043-2065, 2010	5	On the unknown input observer design: A decoupling class approach, Bezzaoucha S., Marx B., Maquin D., Ragot J., , IEEE International Conference on Control and Automation, ICCA, pp. 602-607, 2011	2011	IEEE International Conference on Control and Automation, ICCA	BDI	1.6

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304	Zs. Lendek, J. Lauber, T. M. Guerra, R. Babuska, B. De Schutter, Adaptive observers for TS fuzzy systems with unknown polynomial inputs, Fuzzy Sets and Systems, 161 (15), pp. 2043-2065, 2010	5	Robust Estimation Design for Unknown Inputs Fuzzy Bilinear Models: Application to Faults Diagnosis By: Saoudi, Dhikra; Chadli, Mohammed; Braeik, Naceur Benhadj Edited by: Zhu, Q; Azar, AT COMPLEX SYSTEM MODELLING AND CONTROL THROUGH INTELLIGENT SOFT COMPUTATIONS Book Series: Studies in Fuzziness and Soft Computing Volume: 319 Pages: 655-685 Published: 2015	2015	COMPLEX SYSTEM MODELLING AND CONTROL THROUGH INTELLIGENT SOFT COMPUTATIONS	carte	1.6
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306	Zs. Lendek, J. Lauber, T. M. Guerra, R. Babuska, B. De Schutter, Adaptive observers for TS fuzzy systems with unknown polynomial inputs, Fuzzy Sets and Systems, 161 (15), pp. 2043-2065, 2010	5	Robust Observer Design for Unknown Inputs Takagi-Sugeno Models By: Chadli, Mohammed; Karimi, Hamid Reza IEEE TRANSACTIONS ON FUZZY SYSTEMS Volume: 21 Issue: 1 Pages: 158-164 Published: FEB 2013	2013	IEEE TRANSACTIONS ON FUZZY SYSTEMS	ISI	1.6

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326	Zs. Lendek, R. Babuska, B. De Schutter, Sequential stability analysis and observer design for distributed TS fuzzy systems, Fuzzy Sets and Systems, 174 (1), pp. 1-30, 2011	3	A Global Exponential Fuzzy Observer Design for Time-Delay Takagi-Sugeno Uncertain Discrete Fuzzy Bilinear Systems With Disturbance By: Tsai, Shun-Hung IEEE TRANSACTIONS ON FUZZY SYSTEMS Volume: 20 Issue: 6 Pages: 1063-1075 Published: DEC 2012	2012	IEEE TRANSACTIONS ON FUZZY SYSTEMS	ISI	2.6667

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328	Zs. Lendek, R. Babuska, B. De Schutter, Sequential stability analysis and observer design for distributed TS fuzzy systems, Fuzzy Sets and Systems, 174 (1), pp. 1-30, 2011	3	Hybrid-fuzzy modeling and identification By: Nunez, Alfredo; De Schutter, Bart; Saez, Doris; et al. APPLIED SOFT COMPUTING Volume: 17 Pages: 67-78 Published: APR 2014	2014	APPLIED SOFT COMPUTING	ISI	2.6667
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330	Zs. Lendek, R. Babuska, B. De Schutter, Sequential stability analysis and observer design for distributed TS fuzzy systems, Fuzzy Sets and Systems, 174 (1), pp. 1-30, 2011	3	Joint State and Parameter Estimation for Discrete-Time Takagi-Sugeno Model By: Srinivasarengan, Krishnan; Ragot, Jose; Maquin, Didier; et al. Conference: 13th European Workshop on Advanced Control and Diagnosis (ACD) Location: Hautes Etrudes Ingn, Lille, FRANCE Date: NOV 17-18, 2016 Sponsor(s): Int Federat Automat Control; Ctr Rech Informatique Signal Automatique Lille; Univ Catholique Lille; Univ Lille 1 Sci & Technologies; GDR MACS; SEE 13TH EUROPEAN WORKSHOP ON ADVANCED CONTROL AND DIAGNOSIS (ACD 2016) Book Series: Journal of Physics Conference Series Volume: 783 Article Number: UNSP 012016 Published: 2017	2017	13th European Workshop on Advanced Control and Diagnosis (ACD)	ISI	1.6
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333	Zs. Lendek, R. Babuska, B. De Schutter, Sequential stability analysis and observer design for distributed TS fuzzy systems, Fuzzy Sets and Systems, 174 (1), pp. 1-30, 2011	3	Observer Design for Uncertain T-S Fuzzy System with Multiple Output Matrices and Unmeasurable Premise Variables By: Van-Phong Vu; Wang, Wen-June; Lee, Pei-Jun Conference: IEEE International Conference on Fuzzy Systems (FUZZ-IEEE) Location: Vancouver, CANADA Date: JUL 24-29, 2016 Sponsor(s): IEEE; IEEE Computat Intelligence Soc; Int Neural Network Soc; Evolutionary Programming Soc; IET; Gulf Univ Sci & Technol; IEEE Big Data Initiat 2016 IEEE INTERNATIONAL CONFERENCE ON FUZZY SYSTEMS (FUZZ-IEEE) Book Series: IEEE International Fuzzy Systems Conference Proceedings Pages: 1910-1917 Published: 2016	2016	Conference: IEEE International Conference on Fuzzy Systems (FUZZ-IEEE)	ISI	1.6
334	Zs. Lendek, R. Babuska, B. De Schutter, Sequential stability analysis and observer design for distributed TS fuzzy systems, Fuzzy Sets and Systems, 174 (1), pp. 1-30, 2011	3	Observer-based Controller Synthesis for T-S Fuzzy Systems under Imperfect Premise Matching By: Zhou, Jie; Zhao, Tao Conference: 28th Chinese Control and Decision Conference Location: Yinchuan, PEOPLES R CHINA Date: MAY 28-30, 2016 Sponsor(s): NE Univ, State Key Lab Synthet Automat Proc Ind; IEEE Ind Elect Chapter; Beifang Univ Nationalities; IEEE Control Syst Soc; Syst Engn Soc China; Chinese Assoc Artificial Intelligence; Chinese Assoc Artificial Intelligence, Tech Comm Control Theory PROCEEDINGS OF THE 28TH CHINESE CONTROL AND DECISION CONFERENCE (2016 CCDC) Book Series: Chinese Control and Decision Conference Pages: 6669-6674 Published: 2016	2016	Conference: 28th Chinese Control and Decision Conference	ISI	1.6

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336	Zs. Lendek, R. Babuska, B. De Schutter, Sequential stability analysis and observer design for distributed TS fuzzy systems, Fuzzy Sets and Systems, 174 (1), pp. 1-30, 2011	3	Observer-based Output Feedback Control for T-S Fuzzy Time-Delay Systems By: Zhao, Tao; Cheng, Guanhong Conference: 12th World Congress on Intelligent Control and Automation (WCICA) Location: Guilin, PEOPLES R CHINA Date: JUN 12-15, 2016 Sponsor(s): IEEE PROCEEDINGS OF THE 2016 12TH WORLD CONGRESS ON INTELLIGENT CONTROL AND AUTOMATION (WCICA) Pages: 80-85 Published: 2016	2016	Conference: 12th World Congress on Intelligent Control and Automation (WCICA)	ISI	1.6
337	Zs. Lendek, R. Babuska, B. De Schutter, Sequential stability analysis and observer design for distributed TS fuzzy systems, Fuzzy Sets and Systems, 174 (1), pp. 1-30, 2011	3	Output-Feedback Control for T-S Fuzzy Delta Operator Systems With Time-Varying Delays via an Input-Output Approach By: Li, Hongyi; Gao, Yabin; Shi, Peng; et al. IEEE TRANSACTIONS ON FUZZY SYSTEMS Volume: 23 Issue: 4 Pages: 1100-1112 Published: AUG 2015	2015	IEEE TRANSACTIONS ON FUZZY SYSTEMS	ISI	2.6667
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340	Zs. Lendek, R. Babuska, B. De Schutter, Sequential stability analysis and observer design for distributed TS fuzzy systems, Fuzzy Sets and Systems, 174 (1), pp. 1-30, 2011	3	Stability analysis and control synthesis for fuzzyobserver-based controller of nonlinear systems: A fuzzy-model-based control approach, Lam H.K., Li H., Liu H., IET Control Theory and Applications, 7 (5), pp. 663-672, 2013	2013	IET Control Theory and Applications	ISI	2.6667
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343	Zs. Lendek, R. Babuska, B. De Schutter, Stability analysis and observer design for string-connected TS systems, Preprints of the IFAC World Congress, 12795-12800, Milano, Italy, 2011	3	Strategies to exploit non-quadratic local stability analysis, Guerra T.M., Bernal M., International Journal of Fuzzy Systems, 14 (3), pp. 372-379, 2012	2012	International Journal of Fuzzy Systems	ISI	2.6667

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345	Zs. Lendek, R. Babuska, B. De Schutter, Stability of cascaded fuzzy systems and observers, IEEE Transactions on Fuzzy Systems, 17 (3), pp. 641-653, 2009	3	A New Gradient Descent Approach for Local Learning of Fuzzy Neural Models By: Zhao, Wanqing; Li, Kang; Irwin, George W. IEEE TRANSACTIONS ON FUZZY SYSTEMS Volume: 21 Issue: 1 Pages: 30-44 Published: FEB 2013	2013	IEEE TRANSACTIONS ON FUZZY SYSTEMS	ISI	2
346	Zs. Lendek, R. Babuska, B. De Schutter, Stability of cascaded fuzzy systems and observers, IEEE Transactions on Fuzzy Systems, 17 (3), pp. 641-653, 2009	3	A Proposal of multiobjective fuzzy regulator design for state space nonlinear systems, Santos R.J.M., Serra G.L.O., ICINCO 2012 - Proceedings of the 9th International Conference on Informatics in Control, Automation and Robotics, 1 (), pp. 50-58, 2012	2012	ICINCO 2012 - Proceedings of the 9th International Conference on Informatics in Control, Automation and Robotics	BDI	2
347	Zs. Lendek, R. Babuska, B. De Schutter, Stability of cascaded fuzzy systems and observers, IEEE Transactions on Fuzzy Systems, 17 (3), pp. 641-653, 2009	3	A survey on industrial applications of fuzzy control By: Precup, Radu-Emil; Hellendoorn, Hans COMPUTERS IN INDUSTRY Volume: 62 Issue: 3 Pages: 213-226 Published: APR 2011	2011	COMPUTERS IN INDUSTRY	ISI	2
348	Zs. Lendek, R. Babuska, B. De Schutter, Stability of cascaded fuzzy systems and observers, IEEE Transactions on Fuzzy Systems, 17 (3), pp. 641-653, 2009	3	Analysis of stability and stabilization of cascade systems with time delay in terms of linear matrix inequalities By: Druzhinina, O. V.; Sedova, N. O. JOURNAL OF COMPUTER AND SYSTEMS SCIENCES INTERNATIONAL Volume: 56 Issue: 1 Pages: 19-32 Published: JAN 2017	2017	JOURNAL OF COMPUTER AND SYSTEMS SCIENCES INTERNATIONAL	ISI	2

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349	Zs. Lendek, R. Babuska, B. De Schutter, Stability of cascaded fuzzy systems and observers, IEEE Transactions on Fuzzy Systems, 17 (3), pp. 641-653, 2009	3	Auxiliary dynamics for observer design of nonlinear TS systems with unmeasurable premise variables By: Ichalal, D.; Mammar, S.; Ragot, J. Conference: 4th IFAC Conference on Intelligent Control and Automation Sciences (ICONS) Location: Reims, FRANCE Date: JUN 01-03, 2016 Sponsor(s): IFAC TC 3 2 Computat Intelligence Control; IFAC TC 1 2 Adapt & Learning Syst; IFAC TC 1 3 Discrete Event & Hybrid Syst; IFAC TC 2 2 Linear Control Syst; IFAC TC 2 5 Robust Control; IFAC TC 3 1 Comp Control; IFAC TC 4 3 Robot; IFAC TC 4 5 Human Machine Syst; IFAC TC 7 1 Automot Control; IFAC TC 7 5 Intelligent Autonomous Vehicles; IFAC TC 8 2 Biol & Med Syst IFAC PAPERSONLINE Volume: 49 Issue: 5 Pages: 1-6 Published: 2016	2016	4th IFAC Conference on Intelligent Control and Automation Sciences	ISI	2
350	Zs. Lendek, R. Babuska, B. De Schutter, Stability of cascaded fuzzy systems and observers, IEEE Transactions on Fuzzy Systems, 17 (3), pp. 641-653, 2009	3	Boolean matrix equations for node identification in fuzzy rule based networks By: Gegov, Alexander; Petrov, Nedyalko; Sanders, David; et al. INTERNATIONAL JOURNAL OF KNOWLEDGE-BASED AND INTELLIGENT ENGINEERING SYSTEMS Volume: 21 Issue: 2 Pages: 69-83 Published: 2017	2017	INTERNATIONAL JOURNAL OF KNOWLEDGE-BASED AND INTELLIGENT ENGINEERING SYSTEMS	ISI	2
351	Zs. Lendek, R. Babuska, B. De Schutter, Stability of cascaded fuzzy systems and observers, IEEE Transactions on Fuzzy Systems, 17 (3), pp. 641-653, 2009	3	Design of unknown inputs proportional integral observers for TS fuzzy models By: Youssef, T.; Chadli, M.; Karimi, H. R.; et al. NEUROCOMPUTING Volume: 123 Special Issue: SI Pages: 156-165 Published: JAN 10 2014	2014	NEUROCOMPUTING	ISI	2
352	Zs. Lendek, R. Babuska, B. De Schutter, Stability of cascaded fuzzy systems and observers, IEEE Transactions on Fuzzy Systems, 17 (3), pp. 641-653, 2009	3	Fuzzy Networks for Complex Systems: A Modular Rule Base Approach By: Gegov, Alexander FUZZY NETWORKS FOR COMPLEX SYSTEMS: A MODULAR RULE BASE APPROACH Book Series: Studies in Fuzziness and Soft Computing Volume: 259 Pages: 1-+ Published: 2010	2010	Book Series: Studies in Fuzziness and Soft Computing	carte	1.6

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353	Zs. Lendek, R. Babuska, B. De Schutter, Stability of cascaded fuzzy systems and observers, IEEE Transactions on Fuzzy Systems, 17 (3), pp. 641-653, 2009	3	Fuzzy networks with feedback rule bases for complex systems modelling By: Gegov, Alexander; Arabikhan, Farzad; Sanders, David; et al. INTERNATIONAL JOURNAL OF KNOWLEDGE-BASED AND INTELLIGENT ENGINEERING SYSTEMS Volume: 21 Issue: 4 Pages: 211-225 Published: 2017	2017	INTERNATIONAL JOURNAL OF KNOWLEDGE-BASED AND INTELLIGENT ENGINEERING SYSTEMS	ISI	1.6
354	Zs. Lendek, R. Babuska, B. De Schutter, Stability of cascaded fuzzy systems and observers, IEEE Transactions on Fuzzy Systems, 17 (3), pp. 641-653, 2009	3	GLOBAL OUTPUT-FEEDBACK FINITE-TIME STABILIZATION FOR A CLASS OF STOCHASTIC NONLINEAR CASCADED SYSTEMS By: Lan, Qixun; Niu, Huawei; Liu, Yamei; et al. KYBERNETIKA Volume: 53 Issue: 5 Pages: 780-802 Published: 2017	2017	KYBERNETIKA	ISI	1.6
355	Zs. Lendek, R. Babuska, B. De Schutter, Stability of cascaded fuzzy systems and observers, IEEE Transactions on Fuzzy Systems, 17 (3), pp. 641-653, 2009	3	How to cope with unmeasurable premise variables in Takagi-Sugeno observer design: Dynamic extension approach By: Ichalal, D.; Marx, B.; Mammar, S.; et al. ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE Volume: 67 Pages: 430-435 Published: JAN 2018	2018	ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE	ISI	2.6667
356	Zs. Lendek, R. Babuska, B. De Schutter, Stability of cascaded fuzzy systems and observers, IEEE Transactions on Fuzzy Systems, 17 (3), pp. 641-653, 2009	3	Joint State and Parameter Estimation for Discrete-Time Takagi-Sugeno Model By: Srinivasarengan, Krishnan; Ragot, Jose; Maquin, Didier; et al. Conference: 13th European Workshop on Advanced Control and Diagnosis (ACD) Location: Hautes Etrudes Ingn, Lille, FRANCE Date: NOV 17-18, 2016 Sponsor(s): Int Federat Automat Control; Ctr Rech Informatique Signal Automatique Lille; Univ Catholique Lille; Univ Lille 1 Sci & Technologies; GDR MACS; SEE 13TH EUROPEAN WORKSHOP ON ADVANCED CONTROL AND DIAGNOSIS (ACD 2016) Book Series: Journal of Physics Conference Series Volume: 783 Article Number: UNSP 012016 Published: 2017	2017	13th European Workshop on Advanced Control and Diagnosis	ISI	2.6667

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357	Zs. Lendek, R. Babuska, B. De Schutter, Stability of cascaded fuzzy systems and observers, IEEE Transactions on Fuzzy Systems, 17 (3), pp. 641-653, 2009	3	Linguistic composition based modelling by fuzzy networks with modular rule bases By: Gegov, Alexander; Arabikhan, Farzad; Petrov, Nedyalko FUZZY SETS AND SYSTEMS Volume: 269 Pages: 1-29 Published: JUN 15 2015	2015	FUZZY SETS AND SYSTEMS	ISI	2.6667
358	Zs. Lendek, R. Babuska, B. De Schutter, Stability of cascaded fuzzy systems and observers, IEEE Transactions on Fuzzy Systems, 17 (3), pp. 641-653, 2009	3	Mamdani fuzzy networks with feedforward rule bases for complex systems modelling By: Gegov, Alexander; Sanders, David; Vatchova, Boriana JOURNAL OF INTELLIGENT & FUZZY SYSTEMS Volume: 30 Issue: 5 Pages: 2623-2637 Published: 2016	2016	JOURNAL OF INTELLIGENT & FUZZY SYSTEMS	ISI	2.6667
359	Zs. Lendek, R. Babuska, B. De Schutter, Stability of cascaded fuzzy systems and observers, IEEE Transactions on Fuzzy Systems, 17 (3), pp. 641-653, 2009	3	MASE-BDI: agent-based simulator for environmental land change with efficient and parallel auto-tuning By: Coelho, Cassio G. C.; Abreu, Carolina G.; Ramos, Rafael M.; et al. APPLIED INTELLIGENCE Volume: 45 Issue: 3 Pages: 904-922 Published: OCT 2016	2016	APPLIED INTELLIGENCE	ISI	2.6667
360	Zs. Lendek, R. Babuska, B. De Schutter, Stability of cascaded fuzzy systems and observers, IEEE Transactions on Fuzzy Systems, 17 (3), pp. 641-653, 2009	3	Modular rule base fuzzy networks for linguistic composition based modelling By: Gegov, Alexander; Petrov, Nedyalko; Sanders, David; et al. INTERNATIONAL JOURNAL OF KNOWLEDGE-BASED AND INTELLIGENT ENGINEERING SYSTEMS Volume: 21 Issue: 2 Pages: 53-67 Published: 2017	2017	INTERNATIONAL JOURNAL OF KNOWLEDGE-BASED AND INTELLIGENT ENGINEERING SYSTEMS	ISI	2.6667
361	Zs. Lendek, R. Babuska, B. De Schutter, Stability of cascaded fuzzy systems and observers, IEEE Transactions on Fuzzy Systems, 17 (3), pp. 641-653, 2009	3	Observer-Based State Feedback Control for Vehicle Chassis Stability in Critical Situations By: Dahmani, H.; Pages, O.; El Hajjaji, A. IEEE TRANSACTIONS ON CONTROL SYSTEMS TECHNOLOGY Volume: 24 Issue: 2 Pages: 636-643 Published: MAR 2016	2016	IEEE TRANSACTIONS ON CONTROL SYSTEMS TECHNOLOGY	ISI	2.6667
362	Zs. Lendek, R. Babuska, B. De Schutter, Stability of cascaded fuzzy systems and observers, IEEE Transactions on Fuzzy Systems, 17 (3), pp. 641-653, 2009	3	ON VISUO-INERTIAL FUSION FOR ROBOT POSE ESTIMATION USING HIERARCHICAL FUZZY SYSTEMS By: Kyriakoulis, Nikolaos; Gasteratos, Antonios INTERNATIONAL JOURNAL OF OPTOMECHATRONICS Volume: 6 Issue: 1 Pages: 17-36 Published: 2012	2012	INTERNATIONAL JOURNAL OF OPTOMECHATRONICS	ISI	2.6667

A3. Recunoasterea si impactul activitatii

363	Zs. Lendek, R. Babuska, B. De Schutter, Stability of cascaded fuzzy systems and observers, IEEE Transactions on Fuzzy Systems, 17 (3), pp. 641-653, 2009	3	Output-Feedback Control for T-S Fuzzy Delta Operator Systems With Time-Varying Delays via an Input-Output Approach By: Li, Hongyi; Gao, Yabin; Shi, Peng; et al. IEEE TRANSACTIONS ON FUZZY SYSTEMS Volume: 23 Issue: 4 Pages: 1100-1112 Published: AUG 2015	2015	IEEE TRANSACTIONS ON FUZZY SYSTEMS	ISI	2.6667
364	Zs. Lendek, R. Babuska, B. De Schutter, Stability of cascaded fuzzy systems and observers, IEEE Transactions on Fuzzy Systems, 17 (3), pp. 641-653, 2009	3	Parallel Cascade Fuzzy Inference System at The Environment Changes, Case Study: Automated Guide Vehicle Robot Using Ultrasonic Sensor By: Wibowo, Adi; Sutikno; Kushartantya; et al. Book Group Author(s): IEEE Conference: International Conference on Advanced Computer Science and Information Systems (ICACSIS) Location: Univ Indonesia, Depok, INDONESIA Date: DEC 01-02, 2012 Sponsor(s): IEEE Indonesia Sect; Univ Indonesia, Fac Comp Sci; Minist Educ & Culture, Directorate Gen Higher Educ; IBM Indonesia; Mochtar Riady Inst Nanotechnol 2012 INTERNATIONAL CONFERENCE ON ADVANCED COMPUTER SCIENCE AND INFORMATION SYSTEMS Pages: 319-324 Published: 2012	2012	Conference: International Conference on Advanced Computer Science and Information Systems	ISI	2.6667
365	Zs. Lendek, R. Babuska, B. De Schutter, Stability of cascaded fuzzy systems and observers, IEEE Transactions on Fuzzy Systems, 17 (3), pp. 641-653, 2009	3	Robust Control With Parameter Uncertainties For Vehicle Chassis Stability in Critical Situations By: Dahmani, H.; Pages, O.; El Hajjaji, A. Conference: 54th IEEE Conference on Decision and Control (CDC) Location: Osaka, JAPAN Date: DEC 15-18, 2015 Sponsor(s): Kozo Keikaku Engn; MathWorks; Springer; CYBERNET Syst; Mitsubishi Elect; Soc Ind & Appl Math; Altair; Int Journal Automat & Comp; IEEE CAA Journal Automatica Sinica; Cogent Engn; Now; IHI; IEEE 2015 54TH IEEE CONFERENCE ON DECISION AND CONTROL (CDC) Book Series: IEEE Conference on Decision and Control Pages: 209-214 Published: 2015	2015	54th IEEE Conference on Decision and Control	ISI	2.6667

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366	Zs. Lendek, R. Babuska, B. De Schutter, Stability of cascaded fuzzy systems and observers, IEEE Transactions on Fuzzy Systems, 17 (3), pp. 641-653, 2009	3	Rule base identification in fuzzy networks by Boolean matrix equations By: Gegov, Alexander; Petrov, Nedyalko; Gegov, Emil JOURNAL OF INTELLIGENT & FUZZY SYSTEMS Volume: 26 Issue: 1 Pages: 405-419 Published: 2014	2014	JOURNAL OF INTELLIGENT & FUZZY SYSTEMS	ISI	2.6667
367	Zs. Lendek, R. Babuska, B. De Schutter, Stability of cascaded fuzzy systems and observers, IEEE Transactions on Fuzzy Systems, 17 (3), pp. 641-653, 2009	3	Stability Analysis of a Class of MIMO Fuzzy Control Systems By: Precup, Radu-Emil; Tomescu, Marius L.; Petriu, Emil M.; et al. Book Group Author(s): IEEE Conference: 2010 IEEE World Congress on Computational Intelligence Location: Barcelona, SPAIN Date: JUL 18-23, 2010 Sponsor(s): IEEE; IEEE Computat Intelligence Soc; Int Neural Network Soc; Evolut Program Soc; IET 2010 IEEE INTERNATIONAL CONFERENCE ON FUZZY SYSTEMS (FUZZ-IEEE 2010) Book Series: IEEE International Conference on Fuzzy Systems Published: 2010	2010	Conference: 2010 IEEE World Congress on Computational Intelligence	ISI	2.6667
368	Zs. Lendek, R. Babuska, B. De Schutter, Stability of cascaded fuzzy systems and observers, IEEE Transactions on Fuzzy Systems, 17 (3), pp. 641-653, 2009	3	Switched Fuzzy Output Feedback Control and Its Application to a Mass-Spring-Damping System By: Li, Hongyi; Pan, Yingnan; Shi, Peng; et al. IEEE TRANSACTIONS ON FUZZY SYSTEMS Volume: 24 Issue: 6 Pages: 1259-1269 Published: DEC 2016	2016	IEEE TRANSACTIONS ON FUZZY SYSTEMS	ISI	2.6667
369	Zs. Lendek, R. Babuska, B. De Schutter, Stability of cascaded fuzzy systems and observers, IEEE Transactions on Fuzzy Systems, 17 (3), pp. 641-653, 2009	3	Synthesis of a Unknown Inputs Proportional Integral Observer for TS Fuzzy Models By: Youssef, T.; Chadli, M.; Zelmat, M. Book Group Author(s): IEEE Conference: European Control Conference (ECC) Location: ETH Zurich, Zurich, SWITZERLAND Date: JUL 17-19, 2013 Sponsor(s): European Control Assoc; IFAC; IEEE; CSS 2013 EUROPEAN CONTROL CONFERENCE (ECC) Pages: 4311-4315 Published: 2013	2013	Conference: European Control Conference	ISI	1.6

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370	Zs. Lendek, R. Babuska, B. De Schutter, Stability of cascaded fuzzy systems and observers, IEEE Transactions on Fuzzy Systems, 17 (3), pp. 641-653, 2009	3	Takagi-Sugeno Observers: Experimental Application for Vehicle Lateral Dynamics Estimation By: Yacine, Zedjiga; Ichalal, Dalil; Ait-Oufroukh, Naima; et al. IEEE TRANSACTIONS ON CONTROL SYSTEMS TECHNOLOGY Volume: 23 Issue: 2 Pages: 754-761 Published: MAR 2015	2015	IEEE TRANSACTIONS ON CONTROL SYSTEMS TECHNOLOGY	ISI	1.6
371	Zs. Lendek, R. Babuska, B. De Schutter, Stability of cascaded fuzzy systems and observers, IEEE Transactions on Fuzzy Systems, 17 (3), pp. 641-653, 2009	3	TSK Observers for Discrete Type-1 and Type-2 Fuzzy Systems By: Fadali, M. Sami; Jafarzadeh, Saeed IEEE TRANSACTIONS ON FUZZY SYSTEMS Volume: 22 Issue: 2 Pages: 451-458 Published: APR 2014	2014	IEEE TRANSACTIONS ON FUZZY SYSTEMS	ISI	1.6
TOTAL (citari ISI, carti)				360			777.6
TOTAL (citari, BDI)				11			23.47
TOTAL (citari)				371			801.1

A3. Recunoasterea si impactul activitatii

Nr. crt.	A3.3. Membru in colectivele de redactie sau comitete stiintifice al revistelor, organizator de manifestari stiintifice, internationale indexate ISI	Anul	Revista / manifestarea stiintifica	ISI / BDI / neindexat	Punctaj
1	Editor a Special Issue on "Intelligent Control in Systems Engineering and Automation Sciences", Engineering Application sof Artificial Intelligence	2018	Engineering Applications of AI	ISI	10
2	Co-organizator a sesiunii invitate "Recent advances in fuzzy control: theory and application", IFAC World Congress 2017, Toulouse, Franta	2017	IFAC World Congress 2017, Toulouse, Franta	ISI	10
3	Associate Editor la Engineering Applications of AI	2016-2018	Engineering Applications of AI	ISI	10
4	Editor	2016	4th IFAC International Conference on Intelligent Control and Automation Sciences	ISI	10
5	Co-organizator a sesiunii invitate "Recent Advances in Fuzzy Control system Design and Analysis"	2016	IEEE World Congress on Computational Intelligence, 2016, Vancouver, Canada	ISI	10
6	Chairul sesiunilor speciale la 2016 IEEE International Conference on Automation, Quality and Testing, Robotics, Cluj-Napoca, Romania	2014	IEEE International Conference on Automation, Quality and Testing, Robotics, Cluj-Napoca, Romania	ISI	10
7	Chairul sesiunilor speciale la 2014 IEEE International Conference on Automation, Quality and Testing, Robotics, Cluj-Napoca, Romania	2014	IEEE International Conference on Automation, Quality and Testing, Robotics, Cluj-Napoca, Romania	ISI	10
8	Co-organizator a sesiunii invitate "Fuzzy Control: recent results and applications", IFAC World Congress 2014, Cape Town, South Africa	2014	IFAC World Congress 2014, Cape Town, South Africa	BDI	6
9	Co-organizator a sesiunii invitate "Recent Advances in Fuzzy Model-Based Control Design and Analysis"	2013	IEEE International Conference on Fuzzy Systems 2013, Hyderabad, India	ISI	10
10	Co-organizator a sesiunii invitate "Advances in control and observation using Takagi-Sugeno fuzzy models"	2011	IFAC World Congress 2011, Milano, Italy	BDI	6
TOTAL (ISI)					80
TOTAL (BDI)					12
TOTAL (colective de redactie)					92

A3. Recunoasterea si impactul activitatii

Nr. crt.	A3.4.Premii in domeniu	Anul	Premiu primit pentru:	Internatio nal / National	Punctaj
1	PN-III-P1-1.1-PRECISI-2018-22718	2018	Zs. Lendek, Z. Nagy, J. Lauber, Local stabilization of discrete-time TS descriptor systems. Engineering Applications of Artificial Intelligence, vol. 67, pages 409-418, 2018	National	3
2	PN-III-P1-1.1-PRECISI-2016-11751	2016	V. Estrada-Manzo, T. M. Guerra, Zs. Lendek, Generalized observer design for discrete-time T-S descriptor models. Neurocomputing, vol. 182, pages 210-220, 2016.	National	3
3	PN-II-RU-PRECISI-2015-9-8976	2015	V. Estrada-Manzo, Zs. Lendek, T. M. Guerra, Ph. Pudlo, Controller design for discrete-time descriptor models: a systematic LMI approach. IEEE Transactions on Fuzzy Systems, vol. 23 , no. 5, pages 1608–1621, 2015	National	3
4	PN-II-RU-PRECISI-2015-9-8977	2015	Zs. Lendek, T. M. Guerra, J. Lauber, Controller design for TS models using non-quadratic Lyapunov functions. IEEE Transactions on Cybernetics, vol. 45 , no. 3, pages 453–464, 2015.	National	3
5	PN-II-RU-PRECISI-2015-9-8978	2015	T. M. Guerra, V. Estrada-Manzo, Zs. Lendek, Observer design for Takagi-Sugeno descriptor models: an LMI approach. Automatica, vol. 52 , no. 2, pages 154–159, 2015.	National	3
6	PN-II-RU-PRECISI-2014-8-5588	2014	P. Stano, A. den Dekker, Zs. Lendek, R. Babuska, Convex saturated particle filter. Automatica, vol. 50 , no. 10, pages 2494–2503, 2014.	National	3
7	PN-II-RU-PRECISI-2014-8-4361	2014	Zs. Lendek, P. Raica, B. De Schutter, R. Babuska, Analysis and design for continuous-time string-connected Takagi-Sugeno systems. Journal of the Franklin Institute, vol. 351, pages 3577–3592, 2014.	National	3
8	PN-II-RU-PRECISI-2014-8-4306	2014	P. Stano, Zs. Lendek, J. Braaksma, R. Babuska, and C. de Keizer, Parametric Bayesian adaptive filters for nonlinear stochastic dynamical systems: A survey. IEEE Transactions on Cybernetics, vol. 43, no. 6, pages 1607–1624, 2013.	National	3

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9	PN-II-RU-PRECISI-2013-7-1924	2013	P. Stano, Zs. Lendek, R. Babuska, Saturated Particle Filter: Almost Sure Convergence and Improved Resampling. Automatica, vol. 49 , no. 1, pages 147–159, 2013.	National	3
10	PN-II-RU-PRECISI-2013-7-1908	2013	Zs. Lendek, J. Lauber, and T. M. Guerra, Periodic Lyapunov functions for periodic TS systems. Systems & Control Letters, vol. 62 , no. 4, pages 303–310, 2013.	National	3
11	PN-II-RU-PRECISI-2011-3-0782	2011	Zs. Lendek, R. Babuska, B. De Schutter, Sequential stability analysis and observer design for distributed TS fuzzy systems. Fuzzy Sets and Systems, vol. 174 , no. 1, pages 1–30, 2011.	National	3
12	Best paper award in the track Control systems, 2010 IEEE International Conference on Automation, Quality and Testing, Robotics	2010	Lucrarile: (1) Zs. Lendek, R. Babuska, and B. De Schutter. "Stability bounds for fuzzy estimation and control – Part II: Output-feedback control", (2) Zs. Lendek, R. Babuska, and B. De Schutter. "Stability bounds for fuzzy estimation and control – Part I: State estimation",	International	6
TOTAL (premiu internationale)					6
TOTAL (premiu nationale)					33
TOTAL (premiu)					39