

Author details

[Back to results](#) | 1 of 1[Print](#) | [Email](#)

Radac, Mircea Bogdan

Universitatea Politehnica din Timisoara, Department
of Automation and Applied Informatics, Timisoara,
Romania

Author ID: 25930148400

[About Scopus Author Identifier](#) | [View potential author matches](#)

Other name formats: Rădac, Mircea Bogdan
Rădac, Mircea Bogdan
Rădac, Mircea Bogdan
[View More](#)

Documents: 130

Citations: total citations by [644](#) documents

h-index: 16

Co-authors: [43](#)

Subject area: Computer Science , Engineering [View More](#)

[Analyze author output](#)[View citation overview](#)[View *h*-graph](#)

130 Documents | Cited by 644 documents | 43 co-authors

130 documents [View all in search results format](#)

Sort on: **Date** [Cited by](#) [...](#)

[Export all](#) | [Add all to list](#) | [Set document alert](#) | [Set document feed](#)

Virtual reference feedback tuning of model-free control algorithms for servo systems	Roman, R.-C., Radac, M.-B., Precup, R.-E., Petriu, E.M.	2017	Machines	0
View at Publisher				
Takagi-Sugeno fuzzy controller structures for twin rotor aerodynamic systems	Roman, R.-C., Precup, R.-E., Radac, M.-B., Petriu, E.M.	2017	IEEE International Conference on Fuzzy Systems	0
View at Publisher				
Multi input-multi output tank system data-driven model reference control	Radac, M.-B., Precup, R.-E., Roman, R.-C.	2017	IEEE International Conference on Control and Automation, ICCA	0

Follow this Author

Receive emails when this author publishes new articles

[Get citation alerts](#)[Add to ORCID](#)[Request author detail corrections](#)

Author History

Publication range: 2008 - Present

References: [2152](#)

Source history:

[IEEE International Conference on Fuzzy Systems](#)

[View documents](#)

SACI 2012 - 7th IEEE International Symposium on Applied Computational Intelligence and Informatics, Proceedings

[View documents](#)

2016 International Symposium on Power Electronics, Electrical Drives, Automation and Motion, SPEEDAM 2016

[View documents](#)[View More](#)[Show Related Affiliations](#)

[View at Publisher](#)

Anti-lock braking systems data-driven control using Q-learning	Radac, M.-B., Precup, R.-E., Roman, R.-C.	2017	IEEE International Symposium on Industrial Electronics	0
--	---	------	--	---

[View at Publisher](#)

Model-free fuzzy control of twin rotor aerodynamic systems	Roman, R.-C. , Precup, R.-E. , Radac, M.-B.	2017	2017 25th Mediterranean Conference on Control and Automation, MED 2017	0
--	---	------	--	---

[View at Publisher](#) |
 [View abstract](#) |
 [Related documents](#)

Model-Free control performance improvement using virtual reference feedback tuning and reinforcement Q-learning	Radac, M.-B., Precup, R.-E., Roman, R.-C.	2017	International Journal of Systems Science	4
---	---	------	--	---

[View at Publisher](#)

Model predictive control of a nonlinear laboratory twin rotor aero-dynamical system	Duțescu, D.-A., Radac, M.-B., Precup, R.-E.	2017	SAMI 2017 - IEEE 15th International Symposium on Applied Machine Intelligence and Informatics, Proceedings	0
---	---	------	--	---

[View at Publisher](#)

Model-free sliding mode control of nonlinear systems: Algorithms and experiments	Precup, R.-E., Radac, M.-B., Roman, R.-C., Petriu, E.M.	2017	Information Sciences	6
--	---	------	----------------------	---

[View at Publisher](#)

Hierarchical data-driven Model-Free Iterative Learning Control using primitives	Radac, M.-B., Precup, R.-E.	2017	2016 IEEE International Conference on Systems, Man, and Cybernetics, SMC 2016 - Conference Proceedings	0
---	-----------------------------	------	--	---

[View at Publisher](#)

Mixed MFC-VRFT Approach for a multivariable aerodynamic system position control	Roman, R.-C., Radac, M.-B., Precup, R.-E.	2017	2016 IEEE International Conference on Systems, Man, and Cybernetics, SMC 2016 - Conference Proceedings	2
---	---	------	--	---

[View at Publisher](#)

Evolving fuzzy models for the position control of twin rotor aerodynamic systems	Precup, R.-E., Radac, M.-B., Petriu, E.M., (...), Teban, T.-A., Szedlak-Stinean, A.-I.	2017	IEEE International Conference on Industrial Informatics (INDIN)	3
View at Publisher View abstract Related documents				
Data-driven model-free slip control of anti-lock braking systems using reinforcement Q-learning	Radac, M.-B., Precup, R.-E.	2017	Neurocomputing Article in Press	0
View at Publisher				
Automotive applications of evolving Takagi-Sugeno-Kang fuzzy models	Precup, R.-E., Preitl, S., Bojan-Dragos, C.-A., (...), Hedrea, E.-L., Roman, R.-C.	2017	Facta Universitatis, Series: Mechanical Engineering Open Access	0
View at Publisher				
Improving model reference control performance using model-free VRFT and Q-learning	Radac, M.-B., Precup, R.-E.	2016	2016 20th International Conference on System Theory, Control and Computing, ICSTCC 2016 - Joint Conference of SINTES 20, SACCs 16, SIMSIS 20 - Proceedings	0
View at Publisher				
Three-level hierarchical model-free learning approach to trajectory tracking control	Radac, M.-B., Precup, R.-E.	2016	Engineering Applications of Artificial Intelligence	4
View at Publisher				
Multi-input-multi-output system experimental validation of model-free control and virtual reference feedback tuning techniques	Roman, R.-C., Radac, M.-B., Precup, R.-E.	2016	IET Control Theory and Applications	4
View at Publisher				
Data-driven virtual reference feedback tuning and reinforcement Qlearning for model-free position control of an aerodynamic system	Radac, M.-B., Precup, R.-E., Roman, R.-C.	2016	24th Mediterranean Conference on Control and Automation, MED 2016	1
View at Publisher				

Experiment-based comparison of nature-inspired algorithms for optimal tuning of PI-fuzzy controlled nonlinear DC servo systems	Precup, R.-E., David, R.-C., Radac, M.-B., Voisan, E.-I., Petriu, E.M.	2016	2016 International Symposium on Power Electronics, Electrical Drives, Automation and Motion, SPEEDAM 2016	0
View at Publisher				
Virtual Reference Feedback Tuning for position control of a twin rotor aerodynamic system	Hedrea, E.-L., Radac, M.-B., Precup, R.-E.	2016	SACI 2016 - 11th IEEE International Symposium on Applied Computational Intelligence and Informatics, Proceedings	1
View at Publisher				
Model-free constrained data-driven iterative reference input tuning algorithm with experimental validation	Radac, M.-B., Precup, R.-E.	2016	International Journal of General Systems	3
View at Publisher				
Virtual reference feedback tuning of MIMO data-driven model-free adaptive control algorithms	Roman, R.-C., Radac, M.-B., Precup, R.-E., Petriu, E.M.	2016	IFIP Advances in Information and Communication Technology	1
View at Publisher				
Data-driven model-free adaptive control tuned by virtual reference feedback tuning	Roman, R.-C., Radac, M.-B., Precup, R.-E., Petriu, E.M.	2016	Acta Polytechnica Hungarica	7
			Open Access	
Gravitational search algorithm-based evolving fuzzy models of a nonlinear process	Precup, R.-E., Voisan, E.-I., Petriu, E.M., Radac, M.-B., Fedorovici, L.-O.	2016	Lecture Notes in Electrical Engineering	3
View at Publisher				
Pragmatic design methods using adaptive controller structures for mechatronic applications with variable parameters and working conditions	Preitl, S., Precup, R.-E., Preitl, Z., (...), Dragoş, C.-A., Rădac, M.-B.	2016	Studies in Systems, Decision and Control	0
View at Publisher				

Two data-driven control algorithms for a MIMO aerodynamic system with experimental validation	Roman, R.-C., Radac, M.-B., Precup, R.-E., Stinean, A.-I.	2015	2015 19th International Conference on System Theory, Control and Computing, ICSTCC 2015 - Joint Conference SINTES 19, SACCS 15, SIMSIS 19	6
---	---	------	---	---

[View at Publisher](#)

Model-Free Primitive-Based Iterative Learning Control Approach to Trajectory Tracking of MIMO Systems With Experimental Validation	Radac, M.-B., Precup, R.-E., Petriu, E.M.	2015	IEEE Transactions on Neural Networks and Learning Systems	8
--	---	------	---	---

[View at Publisher](#)

PI and PID controller tuning for an automotive application using backtracking search optimization algorithms	Precup, R.-E., Balint, A.-D., Petriu, E.M., Radac, M.-B., Voisan, E.-I.	2015	SACI 2015 - 10th Jubilee IEEE International Symposium on Applied Computational Intelligence and Informatics, Proceedings	2
--	---	------	--	---

[View at Publisher](#)

Adaptive charged system search approach to path planning for multiple mobile robots	Precup, R.-E., Petriu, E.M., Radac, M.-B., Voisan, E.-I., Dragan, F.	2015	IFAC-PapersOnLine	2
---	--	------	-------------------	---

[View at Publisher](#)

Optimal behaviour prediction using a primitive-based data-driven model-free iterative learning control approach	Radac, M.-B., Precup, R.-E.	2015	Computers in Industry	12
---	-----------------------------	------	-----------------------	----

[View at Publisher](#)

Data-based two-degree-of-freedom iterative control approach to constrained non-linear systems	Radac, M.-B., Precup, R.-E.	2015	IET Control Theory and Applications	13
---	-----------------------------	------	-------------------------------------	----

[View at Publisher](#)

Constrained data-driven model-free ILC-based reference input tuning algorithm	Radac, M.-B., Precup, R.-E., Petriu, E.M.	2015	Acta Polytechnica Hungarica	5
---	---	------	-----------------------------	---

[Open Access](#)

Data-driven optimal model-free control of twin rotor aerodynamic systems	Roman, R.-C., Radac, M.-B., Precup, R.-E., Petriu, E.M.	2015	Proceedings of the IEEE International Conference on Industrial Technology	5
View at Publisher				
Backtracking Search Optimization Algorithm-based approach to PID controller tuning for torque motor systems	Precup, R.-E., Balint, A.-D., Radac, M.-B., Petriu, E.M.	2015	9th Annual IEEE International Systems Conference, SysCon 2015 - Proceedings	7
View at Publisher				
Optimal motion prediction using a primitive-based model-free iterative control approach for crane systems	Radac, M.-B., Precup, R.-E., Petriu, E.M.	2015	Proceedings of the IEEE International Conference on Industrial Technology	1
View at Publisher				
Results on optimal tuning of fuzzy models of magnetic levitation systems	Precup, R.-E., Bojan-Dragos, C.-A., Petriu, E.M., Radac, M.-B., Stinean, A.-L.	2015	International Journal of Artificial Intelligence	4
View at Publisher				
Implementation of evolving fuzzy models of a nonlinear process	Precup, R.-E., Voisan, E.-I., Petriu, E.M., Radac, M.-B., Fedorovici, L.-O.	2015	ICINCO 2015 - 12th International Conference on Informatics in Control, Automation and Robotics, Proceedings	7
View at Publisher				
Cascade control system-based cost effective combination of tensor product model transformation and fuzzy control	Precup, R.-E., Petriu, E.M., Radac, M.-B., (...), Fedorovici, L.-O., Dragoş, C.-A.	2015	Asian Journal of Control	8
View at Publisher				
Tire slip fuzzy control of a laboratory anti-lock braking system	Radac, M.-B., Precup, R.-E., Preitl, S., Tar, J.K., Burnham, K.J.	2014	2009 European Control Conference, ECC 2009	9
View at Publisher				
Design and testing of a constrained data-driven iterative reference input tuning algorithm	Radac, M.-B., Precup, R.-E., Petriu, E.M.	2014	2014 European Control Conference, ECC 2014	5
View at Publisher				

Iterative data-driven tuning of controllers for nonlinear systems with constraints	Radac, M.-B., Precup, R.-E., Petriu, E.M., Preitl, S.	2014	IEEE Transactions on Industrial Electronics	34
View at Publisher				
Iterative data-driven controller tuning with actuator constraints and reduced sensitivity	Radac, M.-B., Precup, R.-E., Petriu, E.M., Preitl, S.	2014	Journal of Aerospace Information Systems	2
View at Publisher				
Bacterial Foraging Optimization approach to the controller tuning for automotive torque motors	Precup, R.-E., Borza, A.-L., Radac, M.-B., Petriu, E.M.	2014	IEEE International Symposium on Industrial Electronics	5
View at Publisher				
Data-driven model-free adaptive control of twin rotor aerodynamic systems	Roman, R.-C., Radac, M.-B., Precup, R.-E.	2014	SACI 2014 - 9th IEEE International Symposium on Applied Computational Intelligence and Informatics, Proceedings	9
View at Publisher				
Data-driven model-free control of twin rotor aerodynamic systems: Algorithms and experiments	Radac, M.-B., Roman, R.-C., Precup, R.-E., Petriu, E.M.	2014	2014 IEEE International Symposium on Intelligent Control, ISIC 2014	9
View at Publisher				
Performance analysis of torque motor systems with PID controllers tuned by Bacterial Foraging Optimization algorithms	Precup, R.-E., Borza, A.-L., Radac, M.-B., Petriu, E.M.	2014	CIVEMSA 2014 - 2014 IEEE Conference on Computational Intelligence and Virtual Environments for Measurement Systems and Applications, Proceedings	6
View at Publisher				
Multi-robot charged system search-based optimal path planning in static environments	Precup, R.-E., Petriu, E.M., Fedorovici, L.-O., Radac, M.-B., Dragan, F.	2014	2014 IEEE International Symposium on Intelligent Control, ISIC 2014	2
View at Publisher				

Novel Adaptive Charged System Search algorithm for optimal tuning of fuzzy controllers	Precup, R.-E., David, R.-C., Petriu, E.M., Preitl, S., Rădac, M.-B.	2014	Expert Systems with Applications	48
View at Publisher				
Adaptive GSA-based optimal tuning of PI controlled servo systems with reduced process parametric sensitivity, robust stability and controller robustness	Precup, R.-E., David, R.-C., Petriu, E.M., Radac, M.-B., Preitl, S.	2014	IEEE Transactions on Cybernetics	12
View at Publisher				
Model-free tuning solution for sliding mode control of servo systems	Precup, R.-E., Radac, M.-B., Dragos, C.-A., Preitl, S., Petriu, E.M.	2014	8th Annual IEEE International Systems Conference, SysCon 2014 - Proceedings	7
View at Publisher				
Adaptive hybrid Particle Swarm Optimization-Gravitational Search Algorithm for fuzzy controller tuning	Precup, R.-E., David, R.-C., Stinean, A.-I., Radac, M.-B., Petriu, E.M.	2014	INISTA 2014 - IEEE International Symposium on Innovations in Intelligent Systems and Applications, Proceedings	5
View at Publisher				
Frequency domain design of fractional order PI controllers for lambda control	Precup, R.-E., Bota, D.C., Dragos, C.-A., (...), Preitl, S., Radac, M.-B.	2014	2014 18th International Conference on System Theory, Control and Computing, ICSTCC 2014	1
View at Publisher				
Online identification of evolving Takagi-Sugeno-Kang fuzzy models for crane systems	Precup, R.-E., Filip, H.-I., Rădac, M.-B., (...), Preitl, S., Dragoș, C.-A.	2014	Applied Soft Computing Journal	24
View at Publisher				
Particle swarm optimization of fuzzy models for Anti-lock braking systems	Precup, R.-E., Sabau, M.-C., Dragos, C.-A., (...), Fedorovici, L.-O., Petriu, E.M.	2014	2014 IEEE Conference on Evolving and Adaptive Intelligent Systems, IEEE EAIS 2014 - Conference Proceedings	3

Simulated annealing approach to fuzzy modeling of servo systems	Precup, R.-E., Radac, M.-B., Dragos, C.-A., Preitl, S., Petriu, E.M.	2013	2013 IEEE International Conference on Cybernetics, CYBCONF 2013	2
View at Publisher				
Data-based tuning of linear controllers for MIMO twin rotor systems	Rădac, M.-B., Roman, R.-C., Precup, R.-E., (...), Dragoș, C.-A., Preitl, S.	2013	IEEE EuroCon 2013	6
View at Publisher				
Constrained data-driven controller tuning for nonlinear systems	Radac, M.-B., Precup, R.-E., Preitl, S., Dragos, C.-A., Petriu, E.M.	2013	IECON Proceedings (Industrial Electronics Conference)	1
View at Publisher				
Adaptable fuzzy control solutions for driving systems working under continuously variable conditions	Stinean, A.-I., Preitl, S., Precup, R.-E., (...), Radac, M.-B., Crainic, M.	2013	CINTI 2013 - 14th IEEE International Symposium on Computational Intelligence and Informatics, Proceedings	2
View at Publisher				
Solutions to avoid the worst case scenario in driving systems working under continuously variable conditions	Stinean, A.-J., Preitl, S., Precup, R.-E., (...), Petriu, E.M., Radac, M.-B.	2013	ICCC 2013 - IEEE 9th International Conference on Computational Cybernetics, Proceedings	2
View at Publisher				
Low-cost neuro-fuzzy control solution for servo systems with variable parameters	Stinean, A.-I., Preitl, S., Precup, R.-E., (...), Radac, M.-B., Petriu, E.M.	2013	2013 IEEE International Conference on Computational Intelligence and Virtual Environments for Measurement Systems and Applications, CIVEMSA 2013 - Proceedings	4
View at Publisher				
Data-driven reference trajectory tracking algorithm and experimental validation	Rădac, M.-B., Precup, R.-E., Petriu, E.M., Preitl, S., Dragoș, C.-A.	2013	IEEE Transactions on Industrial Informatics	28

[View at Publisher](#)

Choosing a proper control structure for a mechatronic system with variable parameters	Stinean, A.-I., Preitl, S., Precup, R.-E., (...), Petriu, E.M., Radac, M.-B.	2013	IFAC Proceedings Volumes (IFAC-PapersOnline)	3
View at Publisher				
Design and experiments for model-free PI control of DC drives	Radac, M.-B., Achimescu, R.-A., Precup, R.-E., (...), Dragos, C.-A., Stinean, A.-I.	2013	SACI 2013 - 8th IEEE International Symposium on Applied Computational Intelligence and Informatics, Proceedings	0
View at Publisher				
2-DOF control solutions for an electric drive system under continuously variable conditions	Stinean, A.-I., Preitl, S., Precup, R.-E., (...), Petriu, E.M., Radac, M.-B.	2013	SACI 2013 - 8th IEEE International Symposium on Applied Computational Intelligence and Informatics, Proceedings	1
View at Publisher				
Modeling and control of an Electric drive system with continuously variable reference, moment of inertia and load disturbance	Stinean, A.-I., Preitl, S., Precup, R.-E., (...), Radac, M.-B., Petriu, E.M.	2013	2013 9th Asian Control Conference, ASCC 2013	6
View at Publisher				
Gravitational search algorithm-based design of fuzzy control systems with a reduced parametric sensitivity	David, R.-C., Precup, R.-E., Petriu, E.M., Rădac, M.-B., Preitl, S.	2013	Information Sciences	59
View at Publisher				
Experiments in fuzzy controller tuning based on an adaptive gravitational search algorithm	Precup, R.-E., David, R.-C., Petriu, E.M., Preitl, S., Rădac, M.-B.	2013	Proceedings of the Romanian Academy Series A - Mathematics Physics Technical Sciences Information Science	4

Data-driven performance improvement of control systems for three-tank systems	Precup, R.-E., Radac, M.-B., Petriu, E.M., (...), Preitl, S., Stinean, A.-I.	2013	2013 6th International Conference on Human System Interactions, HSI 2013	0
View at Publisher				
Fuzzy logic-based adaptive gravitational search algorithm for optimal tuning of fuzzy-controlled servo systems	Precup, R.-E., David, R.-C., Petriu, E.M., Preitl, S., Rădac, M.-B.	2013	IET Control Theory and Applications	48
View at Publisher				
Experiment-based performance improvement of state feedback control systems for single input processes	Rădac, M.-B., Precup, R.-E., Petriu, E.M., Preitl, S.	2013	Acta Polytechnica Hungarica	6
Open Access				
Stable and convergent iterative feedback tuning of fuzzy controllers for discrete-time SISO systems	Precup, R.-E., Radac, M.-B., Tomescu, M.L., Petriu, E.M., Preitl, S.	2013	Expert Systems with Applications	47
View at Publisher				
An approach to fuzzy modeling of electromagnetic actuated clutch systems	Dragoș, C.-A., Precup, R.-E., Tomescu, M.L., (...), Petriu, E.M., Rădac, M.-B.	2013	International Journal of Computers, Communications and Control	4
View at Publisher				
Evolutionary optimization-based tuning of low-cost fuzzy controllers for servo systems	Precup, R.-E., David, R.-C., Petriu, E.M., (...), Preitl, S., Fodor, J.	2013	Knowledge-Based Systems	68
View at Publisher				
Hybrid fuzzy control solutions for Brushless DC drives with variable moment of inertia	Stinean, A.-I., Preitl, S., Precup, R.-E., Dragoș, C.-A., Rădac, M.-B.	2012	2012 IEEE 10th Jubilee International Symposium on Intelligent Systems and Informatics, SISY 2012	5
View at Publisher				
Experiment-based approach to reference trajectory tracking	Radac, M.-B., Precup, R.-E., Petriu, E.M., Preitl, S., Dragos, C.-A.	2012	Proceedings of the IEEE International Conference on Control Applications	4
View at Publisher				

Controller design methods for driving systems based on extensions of symmetrical optimum method with DC and BLDC motor applications	Preitl, S., Stînean, A.-I., Precup, R.-E., (...), Dragoş, C.-A., Rădac, M.-B.	2012	IFAC Proceedings Volumes (IFAC-PapersOnline)	2
View at Publisher				
2-DOF PI(D) Takagi-Sugeno and sliding mode controllers for BLDC drives	Stinean, A.-I., Preitl, S., Precup, R.-E., (...), Dragos, C.-A., Radac, M.-B.	2012	15th International Power Electronics and Motion Control Conference and Exposition, EPE-PEMC 2012 ECCE Europe	3
View at Publisher				
Stable Iterative Correlation-based Tuning algorithm for servo systems	Radac, M.-B., Precup, R.-E., Petriu, E.M., (...), Dragos, C.-A., Preitl, S.	2012	IECON Proceedings (Industrial Electronics Conference)	6
View at Publisher				
Experimental results of evolving Takagi - Sugeno fuzzy models for a nonlinear benchmark	Precup, R.-E., Filip, H.-I., Rădac, M.-B., (...), Dragos, C.-A., Preitl, S.	2012	3rd IEEE International Conference on Cognitive Infocommunications, CogInfoCom 2012 - Proceedings	8
View at Publisher				
Control structures for variable inertia output coupled drives	Preitl, S., Precup, R.-E., Stinean, A.-I., Dragos, C.-A., Radac, M.-B.	2012	LINDI 2012 - 4th IEEE International Symposium on Logistics and Industrial Informatics, Proceedings	2
View at Publisher				
Novel adaptive gravitational search algorithm for fuzzy controlled servo systems	Precup, R.-E., David, R.-C., Petriu, E.M., Preitl, S., Radac, M.-B.	2012	IEEE Transactions on Industrial Informatics	68
View at Publisher				
Data-based tuning of PI controllers for vertical three-tank systems	Rădac, M.-B., Bigher, B.-A., Precup, R.-E., (...), Preitl, S., Stînean, A.-I.	2012	ICINCO 2012 - Proceedings of the 9th International Conference on Informatics in Control, Automation and Robotics	2

Adaptive gravitational search algorithm for PI-fuzzy controller tuning	David, R.-C., Precup, R.-E., Petriu, E.M., (...), Dragoş, C.-A., Preitl, S.	2012	ICINCO 2012 - Proceedings of the 9th International Conference on Informatics in Control, Automation and Robotics	3
View at Publisher				
Takagi-Sugeno fuzzy control solutions for BLDC drives	Stînean, A.-I., Preitl, S., Precup, R.-E., (...), Dragoş, C.-A., Rădac, M.-B.	2012	SPEEDAM 2012 - 21st International Symposium on Power Electronics, Electrical Drives, Automation and Motion	2
View at Publisher				
Hybrid fuzzy controllers for non-minimum phase systems	Precup, R.-E., Preitl, S., Stînean, A.-I., Dragoş, C.-A., Rădac, M.-B.	2012	SACI 2012 - 7th IEEE International Symposium on Applied Computational Intelligence and Informatics, Proceedings	1
View at Publisher				
An approach to fuzzy modeling of magnetic levitation systems	David, R.-C., Dragoş, C.-A., Bulzan, R.-G., (...), Petriu, E.M., Radac, M.-B.	2012	International Journal of Artificial Intelligence	13
View at Publisher				
Charged System Search algorithms for optimal tuning of PI controllers	Precup, R.-E., David, R.-C., Petriu, E.M., Preitl, S., Rădac, M.-B.	2012	IFAC Proceedings Volumes (IFAC-PapersOnline)	3
View at Publisher				
Fuzzy control systems with reduced parametric sensitivity based on simulated annealing	Precup, R.-E., David, R.-C., Petriu, E.M., Preitl, S., Radac, M.-B.	2012	IEEE Transactions on Industrial Electronics	58
View at Publisher				

Signal processing in iterative improvement of inverted pendulum crane mode control system performance	Precup, R.-E., Radac, M.-B., Filip, H.-I., (...), Dragos, C.-A., Petriu, E.M.	2012	2012 IEEE I2MTC - International Instrumentation and Measurement Technology Conference, Proceedings	2
View at Publisher				
Novel iterative formulation of Correlation-Based Tuning	Cerveneak, B.-S., Rădac, M.-B., Precup, R.-E., (...), Preitl, S., Dragoș, C.-A.	2012	2012 IEEE International Conference on Industrial Technology, ICIT 2012, Proceedings	1
View at Publisher				
Iterative performance improvement of fuzzy control systems for three tank systems	Precup, R.-E., Tomescu, M.L., Rdac, M.-B., (...), Preitl, S., Dragoș, C.-A.	2012	Expert Systems with Applications	54
View at Publisher				
Novel tensor product models for automatic transmission system control	Precup, R.-E., Dragos, C.-A., Preitl, S., Radac, M.-B., Petriu, E.M.	2012	IEEE Systems Journal	52
View at Publisher				
Experimental results of model-based fuzzy control solutions for a laboratory antilock braking system	Precup, R.E., Spătaru, S.V., Rădac, M.B., (...), Dragoș, C.A., David, R.C.	2012	Advances in Intelligent and Soft Computing	6
View at Publisher				
Alternative control solutions for vehicles with continuously variable transmission. A case study	Dragoș, C.-A., Preitl, S., Precup, R.-E., (...), Rădac, M.-B., Stănean, A.-I.	2011	15th International Conference on System Theory, Control and Computing, ICSTCC 2011	0
View at Publisher				
Low-cost optimal state feedback fuzzy control of nonlinear second-order servo systems	Radac, M.-B., Precup, R.-E., Petriu, E.M., (...), Preitl, S., Dragos, C.-A.	2011	IEEE International Conference on Computational Intelligence for Measurement Systems and Applications Proceedings	5
View at Publisher				

Application of IFT and SPSA to servo system control	Rădac, M.-B., Precup, R.-E., Petriu, E.M., Preitl, S.	2011	IEEE Transactions on Neural Networks	42
View at Publisher				
Gravitational Search Algorithms in fuzzy control systems tuning	Precup, R.-E., David, R.-C., Petriu, E.M., Preitl, S., Rădac, M.-B.	2011	IFAC Proceedings Volumes (IFAC-PapersOnline)	33
View at Publisher				
State feedback fuzzy control solution for BLDC drives	Stînean, A.-I., Preitl, S., Precup, R.-E., (...), Rădac, M.-B., Petriu, E.M.	2011	12th IEEE International Symposium on Computational Intelligence and Informatics, CINTI 2011 - Proceedings	0
View at Publisher				
2-DOF control solutions for BLDC-m drives	Stînean, A.-I., Preitl, S., Precup, R.-E., Dragoș, C.-A., Rădac, M.-B.	2011	SISY 2011 - 9th International Symposium on Intelligent Systems and Informatics, Proceedings	4
View at Publisher				
Low-cost fuzzy control approaches to a class of state feedback-controlled servo systems	Precup, R.-E., Ianc, P.A., Petriu, E.M., (...), Preitl, S., Rădac, M.-B.	2011	IEEE/ASME International Conference on Advanced Intelligent Mechatronics, AIM	6
View at Publisher				
Speed and position control of BLDC servo systems with low inertia	Stînean, A.-I., Preitl, S., Precup, R.-E., (...), Dragoș, C.-A., Rădac, M.-B.	2011	2011 2nd International Conference on Cognitive Infocommunications, CogInfoCom 2011	8
View at Publisher				
Stable iterative feedback tuning method for servo systems	Rădac, M.-B., Precup, R.-E., Petriu, E.M., Preitl, S., David, R.-C.	2011	Proceedings - ISIE 2011: 2011 IEEE International Symposium on Industrial Electronics	7
View at Publisher				

Mixed virtual reference feedback tuning - Iterative feedback tuning: Method and laboratory assessment	Rădac, M.-B., Grad, R.-B., Precup, R.-E., (...), Preitl, S., Dragoș, C.-A.	2011	Proceedings - ISIE 2011: 2011 IEEE International Symposium on Industrial Electronics	2
View at Publisher				
Iterative Learning Control application to a 3D crane system	Precup, R.-E., Enache, F.-C., Rădac, M.-B., (...), Dragoș, C.-A., Preitl, S.	2011	ICINCO 2011 - Proceedings of the 8th International Conference on Informatics in Control, Automation and Robotics	0
2-DOF PI-fuzzy controllers for a magnetic levitation system	Drago, C.-A., Precup, R.-E., Petriu, E.M., (...), David, R.-C., Rădac, M.-B.	2011	ICINCO 2011 - Proceedings of the 8th International Conference on Informatics in Control, Automation and Robotics	1
Previous and current cycle learning approach to a 3D crane system laboratory equipment	Rădac, M.-B., Enache, F.-C., Precup, R.-E., (...), Preitl, S., Dragoș, C.-A.	2011	INES 2011 - 15th International Conference on Intelligent Engineering Systems, Proceedings	1
View at Publisher				
Experiment-based teaching in advanced control engineering	Precup, R.-E., Preitl, S., Radac, M.-B., (...), Dragos, C.-A., Tar, J.K.	2011	IEEE Transactions on Education	55
View at Publisher				
Mixed Virtual Reference Feedback Tuning Iterative Feedback Tuning approach to the position control of a laboratory servo system	Rădac, M.-B., Grad, R.-B., Precup, R.-E., (...), Petriu, E.M., Kilyeni, A.	2011	EUROCON 2011 - International Conference on Computer as a Tool - Joint with Conftel 2011	2
View at Publisher				

Extensions in Symmetrical Optimum design method. Advantages, applications and perspectives	Preitl, S., Precup, R.-E., Stinean, A.-I., Dragos, C.-A., Radac, M.-B.	2011	SACI 2011 - 6th IEEE International Symposium on Applied Computational Intelligence and Informatics, Proceedings	3
View at Publisher				
Convergent iterative feedback tuning of state feedback-controlled servo systems	Rădac, M.-B., Precup, R.-E., Petriu, E.M., Preitl, S., Dragoș, C.-A.	2011	Lecture Notes in Electrical Engineering	2
View at Publisher				
Implementation and signal processing aspects of Iterative Regression Tuning	Precup, R.-E., Borchescu, C., Radac, M.-B., (...), Petriu, E.M., Tar, J.K.	2010	IEEE International Symposium on Industrial Electronics	6
View at Publisher				
Tuning of 2-DOF fuzzy PI(D) controllers. Laboratory applications	Preitl, S., Precup, R.-E., Dragos, C.-A., Radac, M.-B.	2010	11th IEEE International Symposium on Computational Intelligence and Informatics, CINTI 2010 - Proceedings	6
View at Publisher				
Stable and optimal fuzzy control of a laboratory Antilock Braking System	Precup, R.-E., Spătaru, S.V., Petriu, E.M., (...), Rădac, M.-B., Dragoș, C.-A.	2010	IEEE/ASME International Conference on Advanced Intelligent Mechatronics, AIM	5
View at Publisher				
Tensor Product-based real-time control of the liquid levels in a three tank system	Precup, R.-E., Dioanca, L.-T., Petriu, E.M., (...), Preitl, S., Dragoș, C.-A.	2010	IEEE/ASME International Conference on Advanced Intelligent Mechatronics, AIM	17
View at Publisher				
Model-based fuzzy control solutions for a laboratory Antilock Braking System	Precup, R.E., Spătaru, S.V., Rădac, M.-B., (...), Preitl, S., Dragoș, C.-A.	2010	3rd International Conference on Human System Interaction, HSI'2010 - Conference Proceedings	6
View at Publisher				

Experiments in iterative feedback tuning for level control of three-tank system	Precup, R.-E., Mosincat, I., Radac, M.-B., (...), Petriu, E.M., Dragos, C.-A.	2010	Proceedings of the Mediterranean Electrotechnical Conference - MELECON	4
View at Publisher				
Iterative feedback tuning approach to a class of state feedback-controlled servo systems	Rădac, M.-B., Precup, R.-E., Petriu, E.M., Preitl, S., Dragos, C.-A.	2009	ICINCO 2009 - 6th International Conference on Informatics in Control, Automation and Robotics, Proceedings	6
View at Publisher				
Iterative feedback tuning in linear and fuzzy control systems	Precup, R.-E., Rădac, M.-B., Preitl, S., Petriu, E.-M., Dragos, C.-A.	2009	Studies in Computational Intelligence	0
View at Publisher				
On the optimal design of low-cost fuzzy controllers for ship course control	Precup, R.-E., Rădac, M.-B., Preitl, S., Petriu, E.M., Fodor, J.	2009	Proceedings Elmar - International Symposium Electronics in Marine	0
View at Publisher				
Iterative learning control experimental results for inverted pendulum crane mode control	Precup, R.-E., Gavriluta, C., Radac, M.-B., (...), Tar, J.K., Petriu, E.M.	2009	SISY 2009 - 7th International Symposium on Intelligent Systems and Informatics	4
View at Publisher				
IFT-based PI-fuzzy controllers: Signal processing and implementation	Precup, R.-E., Rădac, M.-B., Preitl, S., (...), Petriu, E.M., Paul, A.S.	2009	ICINCO 2009 - 6th International Conference on Informatics in Control, Automation and Robotics, Proceedings	1
View at Publisher				
Model-based design issues in fuzzy logic control	Preitl, S., Precup, R.-E., Tomescu, M.-L., (...), Petriu, E.M., Dragos, C.-A.	2009	Studies in Computational Intelligence	0
View at Publisher				

Particle swarm optimization-based design of control systems with reduced sensitivity	David, R.C., Rădac, M.-B., Preitl, S., Tar, J.K.	2009	Proceedings - 2009 5th International Symposium on Applied Computational Intelligence and Informatics, SACI 2009	5
View at Publisher				
New experimental setups for audio signal processing	Paul, A.S., Precup, R.-E., Fodor, J., Radac, M.-B.	2009	Proceedings - 2009 5th International Symposium on Applied Computational Intelligence and Informatics, SACI 2009	2
View at Publisher				
Iterative feedback tuning in MIMO systems. Signal processing and application	Radac, M.-B., Precup, R.-E., Preitl, S., Dragos, C.-A.	2009	Proceedings - 2009 5th International Symposium on Applied Computational Intelligence and Informatics, SACI 2009	1
View at Publisher				
Nonlinear and linearized models and low-cost control solution for an electromagnetic actuator	Dragos, C.-A., Preitl, S., Radac, M.-B., Precup, R.-E.	2009	Proceedings - 2009 5th International Symposium on Applied Computational Intelligence and Informatics, SACI 2009	4
View at Publisher				
Signal processing aspects in state feedback control based on iterative feedback tuning	Rădac, M.-B., Precup, R.-E., Preitl, S., (...), Paul, A.S., Kilyeni, S.	2009	Proceedings - 2009 2nd Conference on Human System Interactions, HSI '09	1
View at Publisher				
Stable design of fuzzy controllers for robotic telemanipulation applications	Precup, R.-E., Preitl, S., Petriu, E.M., (...), Radac, M.-B., Dragos, C.-A.	2009	2009 IEEE Workshop on Computational Intelligence in Virtual Environments, CIVE 2009 - Proceedings	0
View at Publisher				

Linear and fuzzy control solutions for a laboratory anti-lock braking system	Rădac, M.-B., Precup, R.-E., Preitl, S., Tar, J.K., Petriu, E.M.	2008	SISY 2008 - 6th International Symposium on Intelligent Systems and Informatics	12
--	--	------	--	----

[View at Publisher](#)

Gain-scheduling and iterative feedback tuning of PI controllers for longitudinal slip control	Rădac, M.-B., Precup, R.-E., Preitl, S., (...), Fodor, J., Petriu, E.M.	2008	ICCC 2008 - IEEE 6th International Conference on Computational Cybernetics, Proceedings	7
---	---	------	---	---

[View at Publisher](#)

On the stable design of stable fuzzy control systems with iterative learning control	Preitl, S., Precup, R.-E., Radac, M.-B., (...), Tar, J.K., Fodor, J.	2008	9th International Symposium of Hungarian Researchers on Computational Intelligence and Informatics, CINTI 2008	0
--	--	------	--	---

Display: results per page

Page 1

[Back to results](#) | 1 of 1[Top of page](#)

The data displayed above is compiled exclusively from articles published in the Scopus database. To request corrections to any inaccuracies or provide any further feedback, please [contact us](#) (registration required).
The data displayed above is subject to the privacy conditions contained in the [privacy policy](#).

About Scopus

[What is Scopus](#)
[Content coverage](#)
[Scopus blog](#)
[Scopus API](#)
[Privacy matters](#)

Language

[日本語に切り替える](#)
[切换到简体中文](#)
[切换到繁體中文](#)
[Русский язык](#)

Customer Service

[Help](#)
[Contact us](#)

ELSEVIER

[Terms and conditions](#) [Privacy policy](#)

Copyright © 2017 [Elsevier B.V.](#) All rights reserved. Scopus® is a registered trademark of Elsevier B.V.

Cookies are set by this site. To decline them or learn more, visit our [Cookies page](#).

 RELX Group™