

Authors	Title	Publication	Year	Publisher
Ionel, Raul; Măjlu-Iovan, Liliana;	Flying probe measurement accuracy improvement by external LCR integration	Measurement	2022	Elsevier
Ionel, Raul; Dărăbuț, Anca-Ioana; Călineu, Cătălin;	Normalized Cross Correlation based Solution for Automated Optical Inspection during Boundary Scan Testing	2022 International Symposium on Electronics and Telecommunications (ISETC)	2022	IEEE
Ionel, Raul; Șerban-Pop, Nicu; Măjlu-Iovan, Liliana; Ordođi, Valentin;	Measurement application for UV-C irradiation intensity evaluation	2021 IEEE 27th International Symposium for Design and Technology in Electronic Packaging (SIITME)	2021	IEEE
Măjlu-Iovan, Liliana; Ordođi, Valentin; Ionel, Raul; Boncioc, Daniel;	Virtual instrumentation based prototype for evaluation of the cardiac systolic function	2020 International Symposium on Electronics and Telecommunications (ISETC)	2020	IEEE
Boncioc, Daniel Dumitru; Lascu, Mihaela Ruxandra; Măjlu-Iovan, Liliana; Ionel, Raul; Buriian, Caius Alexandru; Ordođi, Valentin Laurentiu;	Modified Langendorff experimental device for rat heart decellularization with a vibrating fluid column	2020 International Symposium on Electronics and Telecommunications (ISETC)	2020	IEEE
Ionel, Raul; Demian, Petru;	A solution for integrating the Vector CANCase XL with the Teradyne Test Station ICT	2018 International Symposium on Electronics and Telecommunications (ISETC)	2018	IEEE
Nanu, Sorin; Ionel, Raul; Dughir, Ciprian; Ionel, Ioana;	Automation of a prototype for cutting, sorting and bundling of SRC crops for planting purposes	Measurement	2017	Elsevier
Munteanu, D; Ionel, R;	Voice-controlled smart assistive device for visually impaired individuals	2016 12th IEEE International Symposium on electronics and telecommunications (ISETC)	2016	IEEE
Dăscălu, D; Pitulice, L; Ionel, R; Bizerea-Spiridon, O;	The usage of a zeolitic composite for quality improvement of copper contaminated mining wastewaters	International Journal of Environmental Science and Technology	2015	Springer Berlin Heidelberg
Ionel, Raul; Pitulice, Laura; Vaslu, Gabriel; Mischie, Septimiu;	Implementation of a GPRS based remote water quality analysis instrumentation	Measurement	2015	Elsevier
Călineu, D; Ionel, R; Lascu, M; Ciobăbă, A;	Arduino and LabVIEW in educational remote monitoring applications	2014 IEEE Frontiers in Education Conference (FIE) Proceedings	2014	IEEE
Ionel, Raul; Ionel, Sabin; Bauer, Paval; Quint, Franz;	Water leakage monitoring education: cross correlation study via spectral whitening	IECON 2014-40th Annual Conference of the IEEE Industrial Electronics Society	2014	IEEE
Ciobăbă, AE; Lascu, M; Ionel, R;	Educational biogas installation monitoring using virtual instrumentation concepts	2014 IEEE Frontiers in Education Conference (FIE) Proceedings	2014	IEEE
Ionel, Ioana; Nanu, Sorin; Tucu, Dumitru; Ionel, Raul; Dughir, Ciprian;	Novel Solution for Automated Processing of Harvested Rods in SRC Nurseries	CHEMICAL ENGINEERING	2014	
Bauer, Paval; Ionel, R;	Labview remote panels and Web services in solar energy experiment—a comparative evaluation	2013 IEEE 8th International Symposium on Applied Computational Intelligence and Informatics (SACI)	2013	IEEE
Bauer, P; Rojka, A; Ionel, R;	Distance learning module for solar electricity with programing of MPPT	2013 15th European Conference on Power Electronics and Applications (EPE)	2013	IEEE
Ionel, Raul Ciprian; Ionel, Sabin; Ignea, Alimpie;	Calculation of the second order settling time in SISO linear systems	Circuits, Systems, and Signal Processing	2013	IEEE
Ionel, RC;	IDENTIFICATION-BASED TDOA ESTIMATION	JOURNAL OF ENVIRONMENTAL PROTECTION AND ECOLOGY	2013	SP Birkhäuser Verlag Boston
Bauer, P, Ionel, R;	Distance laboratory for programming Maximum Power Point tracking of a photovoltaic module	2013 7th IEEE International Conference on e-Learning in Industrial Electronics (ICELE)	2013	IEEE
Bauer, Paval; Ionel, R;	Solar Energy Distance Laboratory using LabVIEW Remote Panels and Web Services	Scientific Bulletin of Politehnica University Timisoara, Transactions on Automatic Control and Computer Science	2013	
Ionel, R; Dughir, C; Nanu, S; Tucu, D; Ionel, I;	Design of an Industrial Prototype Machine used for Rod Cutting Operations in SRC Nurseries	Conference on Advances in Environmental Science	2013	
Ionel, Ioana; Tucu, Dumitru; Ionel, Raul; Nanu, Sorin;	ROD PICKER—A NOVEL SOLUTION FOR SHORT ROTATION COPPIC PLANTATIONS	ECOLOGY OF URBAN AREAS 2013	2013	
Ionel, Raul; Vaslu, Gabriel; Mischie, Septimiu;	GPRS based data acquisition and analysis system with mobile phone control	Measurement	2012	Elsevier
Ionel, Raul; Ionel, Sabin; Gontean, Aurel;	Virtual instrumentation with Mobile Device control for Methane Concentration Measurements	ICW 2012-The Seventh International Conference on Internet and Web Applications and Services	2012	
Ionel, Raul; Gontean, Aurel; Draut-Gherban, Patricia;	Implementation of a CO concentration monitoring system using virtual instrumentation	Proceedings of the 6th IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems	2011	IEEE
Mischie, Septimiu; Ionel, Raul;	On detecting single-talk intervals in two-input speech separation systems	ISSCS 2011-International Symposium on Signals, Circuits and Systems	2011	IEEE
Spiridon, Otilia Bizerea; Pitulice, Laura; Dascalu, Daniela; Vlad-Oros, Beatrice; Ionel, R; Ostafe, V; Todorovic, Ljubinka;	COPPER REMOVAL FROM WASTEWATER BY ADSORPTION ON BIOZHEOLYTH	New Frontiers in Chemistry	2011	West University of Timisoara, Faculty of Chemistry
Spiridon, Otilia Bizerea; Dascalu, Daniela; Pitulice, Laura; Vlad-Oros, Beatrice; Ionel, R; Milosevic, Novica; Gardic, Vojka;	Influence of biomass hydration on the adsorption of copper from mine wastewater on spirulina	New Frontiers in Chemistry	2011	West University of Timisoara, Faculty of Chemistry
Ionel, Raul; Ionel, Sabin;	The majority principle in TDOA estimation	2010 8th International Conference on Communications	2010	IEEE
Mischie, Septimiu; Ionel, Raul;	Blind separation of speech using cochlear filtering	2010 International Conference on Applied Electronics	2010	IEEE
Ionel, Raul; Ignea, Alimpie; Ionel, Sabin;	Remote automatic selection of suitable frequency intervals for improved leak detection	9th RoduNet IEEE International Conference	2010	IEEE
Ionel, Raul; Ionel, Sabin; Ignea, Alimpie;	Improved leak detection quality by automatic signal filtering	2010 International Joint Conference on Computational Cybernetics and Technical Informatics	2010	IEEE
Ionel, Raul; Ignea, Alimpie;	Automatic Selection of a Suitable Coherence Frequency Domain	Buletinul Științific al Universității "Politehnica" Timișoara, Seria Electron. și Telecom., Tom.	2008	Fascicola 1
Ionel, Raul; Tiponut, Virgil; Ionel, Sabin; Lie, Loan;	On settling time in electrical circuits with deterministic and random inputs	Proceedings of the 12th WEAS International conference on Circuits	2008	
Ionel, Raul; Ignea, Alimpie;	Automatic selection of a suitable coherence frequency domain [article]		2008	Timișoara: Editura Politehnica
Ionel, Raul; Sabin, Ionel;	Pipeline identification in a TDOA experiment [article]		2008	Timișoara: Editura Politehnica
Ionel, Raul Ciprian;	Contribuții la localizarea surselor de zgomot utilizând instrumentație virtuală		2008	Timișoara: Editura Politehnica
Ionel, Raul; Ignea, Alimpie;	Parametric analysis and spectral whitening of signals generated by leaks in water pipes [article]		2007	Timișoara: Editura Politehnica
Popa, Mircea; Ionel, Raul; Groza, Volcu; Marcu, Marius;	Educational virtual instrumentation application for system identification	2006 IEEE Instrumentation and Measurement Technology Conference Proceedings	2006	IEEE
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