CONFERENCE PROGRAM

Welcome to Iaşi, to 2017 IMEKO TC4 event!

For this middle of September, Iaşi, the cultural capital of Romania, in the neighbourhood of Eastern border of European Union, is again invested with the responsibility of the capital of electrical measurements. Significant tradition always requires respect. The 4th technical committee of IMEKO, officially established in 1984, mainly dealing with theoretical and practical challenges of electrical and electronic measurements, organized its first symposium in 1986. Since 1996, the Workshop on ADC Modelling and Testing has been jointly organized.

In 2007, the Faculty of Electrical Engineering, Technical University of Iasi, Romania, was awarded the responsibility for organizing the 15-th edition of I MEKO TC4 Symposium and 12-th edition of the Workshop. Judging by the fact that exactly after 10 fruitful years, we have won again the privilege to organize this year's 22-nd edition of IMEKO TC4 Symposium and the 20-th of the ADC Workshop, we can appreciate that there is trust, based on previous achievements, on our capability to go on with the story and the prestige of the scientific events sponsored by IMEKO in general, by its 4-th Technical Committee in particular.

It is generally considered that IMEKO TC 4 represents a distinctive landmark, meaning a world-wide spread scientific and technical community. Nowadays it is well-known the increasingly fierce competition that is taking place between international conferences organized in the fields related to electrical measurements.

The working agenda of each of us is more and more “incongruous”, the number of tempting invitations has significantly increased, but the year still counts only 365 days.

In this super-competitive context, the international scientific committee selected, after a demanding but constructive reviewing process, 103 of the 129 papers received. The authors are distributed on 4 continents, representing 21 countries, ambassadors from European Union but also emissaries from China, America and North-Africa. Here it is worth mentioning the effective involvement of the main technical universities in Romania, whose level of research responds to the high exigencies in the field.

The international magnetism of this event was exponentially increased by the involvement of six distinguished key-note speakers, outstanding personalities of our world-wide community. It is the right moment to acknowledge all the direct participants, co-authors, reviewers, ingenious members of our International and Local Organizing Committees.

We are looking forward to sharing with you these days of activities which promise to be technically stimulating, offering professional growth, friendly contacts and unforgettable souvenirs. In essence, we did our best to organize a high scientific level conference, useful and affordable, at the confluence of research and industry.

Undoubtedly, you will score our efforts at the closing session or while attending any future events organized by IMEKO TC4 or IASI Faculty of Electrical Engineering!

Now, it is proper time to roll out the red carpet for all our distinguished guests!

Iași, Romania, September 2017

On behalf of the International and Local Organizing Committees,
Symposium chairmen,
Alexandru Salceanu and Cristian Fosalau

Thursday, September 14, 2017

8.00 - 9.00	Registration	Henri Coanda Hall, Palace of Culture
9.00 - 9.45	Opening ceremony	Henri Coanda Hall, Palace of Culture
9.45 - 10.00	Traveling to Palas Congress Hall	
10.00 - 11.30	Plenary session 1	Palas Congress Hall, Chopin room
11.30 - 12.00	Coffee break	Palas Congress Hall
12.00 - 13.30	Oral presentation sessions	Palas Congress Hall
13.30 - 14.30	Lunch	Palas Congress Hall
14.30 - 16.00	Oral presentation sessions	Palas Congress Hall
16.00 - 16.30	Coffee break	Palas Congress Hall
16.30 - 18.00	Oral presentation sessions	Palas Congress Hall
19.00 - 21.00	Welcome party	City Hall

Friday, September 15, 2017

8.00 - 9.00	Registration	Palas Congress Hall
9.00 - 10.30	Plenary session 2	Palas Congress Hall, Chopin room
10.30 - 10.50	Traveling to Alexandru Ioan Cuza University	
10.50 -11.10	Coffee break	The Hall of the Lost Steps
11.10 - 13.00	Poster session	The Hall of the Lost Steps
12.00 - 13.00	Doctor Honoris Causa award ceremony	Gheorghe Asachi Aula
13.00 - 13.30	Traveling to Palas Congress Hall	
13.30 - 14.30	Lunch	Palas Congress Hall
14.30 - 16.00	Oral presentation sessions	Palas Congress Hall
16.00 - 16.30	Coffee break	Palas Congress Hall
16.30 - 18.00	Oral presentation sessions	Palas Congress Hall
16.30 - 17.30	TC4 Board meeting	Palas Congress Hall, Vivaldi room
18.00 - 18.30	Closing ceremony	Palas Congress Hall, Chopin room
19.30 - 22.30	Banquet	Bucium restaurant

Saturday, September 16, 2017

8.30-20.30	Trip in Northern Moldavia, for visiting monasteries included in UNESCO world heritage list (Voronet and Sucevita)
9.00-14.00	Complementary social program, visiting main tourist attractions in the Iasi city center

Thursday, September 14, 2017

Plenary session 1 **Palas Congress Hall, Chopin room** **Chair: Antonio Serra**	
10.00 – 10.30	
History of IMEKO TC4 – Second Part	Mario Savino
10.30 – 11.00	
Contemporary Challenges to Power Quality in Ship Systems - Metrological Perspective	Janusz Mindykowski
11.00 – 11.30	
Wireless Sensor Networks	Pedro Silva Girão

12.00 – 13.30 **Oral session 1** **Calibration, Metrology and Standards** **Room: Chopin** **Chair: Laurent Francis, Vilmos Pálfi**		
15	Features of evaluation drift effect during Key Comparison COOMET.EM-K5	Oleh Velychko, Stanislav Karpenko, Irina Karpenko
91	Parameter Estimation of a Laser Measurement Device Using Particle Swarm Optimization	Christian Mentin, Robin Priewald, Eugen Brenner
282	Primary RF-power standard realization in a single-step measurement process	Emil Vremera, Luciano Brunetti,
330	Evaluation of measurement uncertainty in calibration standard gravimetric installation for water flowmeters verification	Gabriel Constantin Sârbu
332	Evaluation of measurement uncertainty in calibration standard volumetric installation for water meters verification	Gabriel Constantin Sârbu
373	Uncertainty reproduction of the three-phase voltages system's asymmetry analysis	Iurii Tesyk, Stanislava Pronzeleva, Roman Moroz

12.00 – 13.30 **Oral session 2** **Signal and Image Processing** **Room: Mozart** **Chair: Dominique Dallet, Rodica Holonec**		
142	Application of Force and Inertial Sensors to Monitor the Usage of Walker Assistive Devices	Vítor Viegas, Jose Miguel Dias Pereira, Octavian Postolache, Pedro Girão

148	Accurate Amplitude Estimation of a Noisy Sine-wave via Interpolated DFT Algorithm	Daniel Belega, Dario Petri, Dominique Dallet
168	Acoustic thermometer with single waveguide	Rok Tavčar, Dušan Agrež, Samo Beguš
194	An Embedded Passive Acoustic Device for Real-Time Hydroacoustic Surveys	Daniel Toma, Joaquin del Rio, Enoc Martinez, Alessandra Casale, Alberto Figoli, Diego Pinzani, Pablo Cervantes, Pablo Ruitz, Eric Delory, Simone Memè
232	FluoLab: a new easy-to-use Graphical User Interface for the multi-cell functional calcium signals analysis	Denise De Zanet, Monica Battiston, Elisabetta Lombardi, Ruben Specogna, Francesco Trevisan, Antonio Affanni, Mario Mazzucato

14.30 – 16.00 **Oral session 3** **Biomedical Measurements** **Room: Chopin** **Chair: Octavian Postolache, Tesyk Iurii**		
144	Experimental qualification of Fiber Bragg Grating sensors for temperature monitoring in Laser Ablation	Riccardo Gassino, Guido Perrone, Alberto Vallan
164	Comparison between Electrocardiographic and Photoplethysmographic peaks intervals	Alexandru-Constantin Podaru, Valeriu David, Oana Neacsu
220	Blood components characterization for preanalytical rapid quality controls through impedance measurements	Denise De Zanet, Monica Battiston, Elisabetta Lombardi, Alessandro Da Ponte, Ruben Specogna, Francesco Trevisan, Antonio Affanni, Mario Mazzucato
224	Cloud Based Acquisition System for Diabetic Data	Lucian Nita, Ferran Torrent-Fontbona
242	Coplanar Capacitive Matrix Structures Used for Monitoring the Recovery of Burn Injuries	Bogdan Tebrean, Septimiu Crisan, Calin Muresan, Titus Eduard Crisan

14.30 – 16.00 **Oral session 4** **Workshop on ADC Modelling and Testing** **Room: Mozart** **Chair: Linus Michaeli**		
72	Improving the Conditioning of Maximum Likelihood Sine Wave Fitting	Balázs Renczes, Vilmos Pálfi
222	Design and Implementation of Differential AC Voltage Sampling System based on PJVS	Zhengsen Jia, Zhiyao Liu, Lei Wang
236	A Method to Reduce Influence of Gain Errors and Offsets of Internal Components on Performance of Adaptive Sub-ranging ADCs	Łukasz Małkiewicz, Konrad Jędrzejewski

16.30 – 17.15 **Oral session 5** **Direct Current and Low Frequency Measurements** **Room: Chopin** **Chair: Pedro Ramos, Janusz Mindykowski**		
92	Variability of track to ground conductance measurement	Jacopo Bongiorno, Andrea Mariscotti
166	Characterization of the Electric and Magnetic Field Exposure from a 400 kV Overhead Power Transmission Line in Romania	Eduard Lunca, Silviu Ursache, Alexandru Salceanu
246	Digital metrology and quantum standards: ACQ-PRO EMPIR Project	Yolanda A. Sanmamed, Javier Diaz de Aguilar, Ralf Behr, Jonathan M. Williams, Andrea Sosso, Martin Šíra, Raúl Caballero

17.15 – 18.00 **Oral session 6** **Time and Frequency Measurements** **Room: Chopin** **Chair: Janusz Mindykowski, Pedro Ramos**		
84	Research on the test method of the interior noise of the receiver based on the satellite signal simulator	Lizhi Hu, Zhichao Ma, Jie Xu, Liang Xu, Junwei Yu, Lian Dong, Lei Lai, Yu Sang
118	Study on Positioning and Mileage Error in Car-hailing Service based on the GNSS Traces	Zhichao Ma, Lizhi Hu, Liang Xu, Jie Xu, Junwei Yu, Yu Sang
174	Measurements of Short-Time Spectrum Occupancy for Ionospheric Propagation	Cornel Balint, Aldo De Sabata

16.30 – 18.00 **Oral session 7** **Sensors and Transducers** **Room: Mozart** **Chair: Dušan Agrež, Daniel Belega**		
36	Ultra-low-power SOI CMOS pressure sensor based on orthogonal pMOS gauges	Nicolas André, Thibault Delhaye, Mohamad Al Kadi Jazairli, Benoit Olbrechts, Pierre Gérard, Laurent Alain Francis, Jean-Pierre Raskin, Denis Flandre
60	Wide Band Current Transformer with Variable Sensitivity Depending on the Measuring Signal Frequency	Andrei Marinescu, Ionel Dumbravă, Lucian Mandache
78	s-CNTs and CNTs/PANi - based selective sensors for detection and measurement of pollutants in industrial gas emissions	Stefan Ionut Spiridon, Eusebiu Ilarian Ionete, Bogdan Florian Monea, Marian Vacaru
192	Bringing Executable Choreographies to the IoT	Nicu-Cosmin Ursache, Catalin Damian, Lenuta Alboaie, Sinica Alboaie, El Mehdi Stouti
244	A MATLAB Graphical Interface to evaluate the CC2650 Sensor Tag	Septimiu Mischie

Friday, September 15, 2017

Plenary session 2 **Palas Congress Hall, Chopin room** **Chair: Mario Savino**	
09.00 – 09.30	
Supporting World Development through Advanced Magnetic Measurement Applications in Industry and Physics Laboratories	Dragana Popovic Renella
09.30 – 10.00	
IoT for Healthcare: Smart Physiotherapy	Octavian Postolache
10.00 – 10.30	
Quality Measurements in Health Systems	Fabrizio Clemente

14.30 – 16.00 **Oral session 8** **Measurements in Automotive Industry** **Room: Chopin** **Chair: Pedro Silva Girao, Ciprian Andrici**		
48	Applications of the Phase Containment Effectiveness Metric in Automotive IndustryAgile SW Development	Ionut-Andrei Sandu, Alexandru Salceanu
63	Temperature estimation for wear prediction of dry clutches	Daniel Strommenger, Clemens Gühmann, René Knoblich, Jörg Beilharz
218	Increasing the driving range of electric vehicles using secondary energies – a review	Tiffany Haas, Michael S. J. Walter, Stefan Weiherer
340	A Comparative Study of Different BLDC Motor Construction Types Used in Automotive Industry under Specific Command Strategies	Daniel Irimia, Florin Lazar
344	Electric Power Steering System Implementation using Generalized Predictive Control	Razvan C. Rafaila

14.30 – 16.00 **Special session** **Advanced Magnetic Measurement Applications in Industry and Physics Laboratories** **Room: Mozart** **Chair: Dragana Popovic Renella, Andrei Marinescu**		
96	Measurement technologies for permanent magnets	Stefan Möwius, Nicolas Kropff, Mircea Velicescu
98	Performance improvements and developments trends of the	Stefan Möwius, Nicolas Kropff,

	industrially sintered NdFeB permanent magnets	Mircea Velicescu
154	Resonant Power Supply for Helmholtz Coils System for the Calibration of Magnetic Field Sensors to Frequencies up to 10 kHz	Ionel Dumbravă, Georgiana Roşu, Ion Pătru, Aurelia Scornea, Octavian Baltag, Andrei Marinescu
160	Characterization of the Electromagnetic Interferences due to a Public Lighting System	Ovidiu Bejenaru, Eduard Lunca, Valeriu David
198	On a survey of the magnetic field in a commercial area	Ionel Pavel, Valeriu David, Silviu Ursache
200	Study of the Relationship between the Magnetic Field Exposure from Home Appliances and Drawn Current	Silviu Ursache, Eduard Lunca, Alexandru Salceanu, Ionel Pavel

16.30 – 18.00 **Oral session 9** **Power and Energy Measurements** **Room: Chopin** **Chair: Jiangtao Zhang, Ioan Stefănescu**		
75	Effect Analysis of Quantization Errors on the Power Measurement Error Based on General Cyclostationary Stochastic Process	Xuewei Wang, Yanjun Wang, Lei Wang, Xiaojuan Peng, Zhengsen Jia
158	Establishment of AC Power Standard at Frequencies Up to 100 kHz	Zhaomin Shi, Jiangtao Zhang, Xianlin Pan, Qing He, Jun Lin
172	Experimental validation and modelling of electromagnetic kinetic harvester for oceans drifters	Daniel Toma, Quim Jane, Montserrat Carbonell-Ventura, Immaculada Massana, Joaquin del Rio
176	Digital measurement of line current with the use of virtual short circuit method	Vladimir Vujičić, Aleksandar Radonjić, Nemanja Gazivoda, Platon Sovilj
214	New Approach for Measurement Data Handling in Cloud-Based Synchrophasor Systems for Smart Grids	Paolo Castello, Carlo Muscas, Paolo Attilio Pegoraro, Sara Sulis

16.30 – 17.15 **Special session** **Characterization and Qualification of Measurement Systems for Clinical Applications** **Room: Mozart** **Chair: Fabrizio Clemente**		
122	Uncertainty evaluation of a method for the Functional Reach Test evaluation by means of Monte-Carlo simulation	Francesco Orsini, Silvio Scena, Carmen D'Anna, Andrea Scorza, Lorenzo Schinaia, Salvatore Sciuto
126	A novel method for whole body vibration platform characterization for clinical applications	Andrea Rossi, Francesco Orsini, Fabio Botta, Andrea Scorza, Lorenzo Schinaia, Daniele Bibbo, Salvatore Andrea Sciuto
132	A Preliminary Study on a Novel Phantom Based Method for Performance Evaluation of Clinical Colour Doppler Systems	Andrea Scorza, Daniele Pietrobon, Francesco Orsini, Salvatore Andrea Sciuto

17.15 – 18.00 **Special session** **Measurement 4 Energy** **Room: Mozart** **Chair: Alessio Carullo, Theodoros Laopoulos**		
180	Degradation rate of eight photovoltaic plants: results during six years of continuous monitoring	Alessio Carullo, Antonella Castellana, Alberto Vallan, Alessandro Ciocia, Filippo Spertino
272	Experimental testing of a horizontal-axis wind turbine to assess its performance	Filippo Spertino, Alessandro Ciocia, Paolo Di Leo, Gabriele Malgaroli, Luca Roberto, Gaetano Iuso
303	Smart Grid Performance Indicators	Filippo Attivissimo, Attilio Di Nisio, Mario Savino, Maurizio Spadavecchia

11.10 – 13.00 **Poster session** **Room: The Hall of the Lost Steps** **Chair: Cristian Zet, Emil Vremera, Platon Sovilj, Jan Saliga**		
18	Investigation of Metrological Characteristics of National Standard of Electric Power and Power Factor Units	Oleh Velychko, Stanislav Karpenko
24	Reactive Power Quality Assessment through Interlaboratories Comparison	Fănel Iacobescu, Maria Magdalena Poenaru, Mirela-Adelaida Anghel
27	Lenght Calibration Quality Assessment through Interlaboratories Comparison	Maria Magdalena Poenaru, Fanel Iacobescu, Mirela-Adelaida Anghel
30	Pressure Calibration Quality Assessment through Interlaboratories Comparison	Maria Magdalena Poenaru, Fanel Iacobescu, Mirela-Adelaida Anghel
42	Pseudo-random dynamic testing signal modeling and its electric energy compressive measurement method	Xuewei Wang, Jing Yang, Lin Wang, Xiaoxuan Dong, Ruiming Yuan, Zhenyu Jiang
66	Acquisition and filtering of relevant driving parameters of electric cars	Michael Simon Josef Walter, Stefan Weiherer, Tiffany Haas, Dac Loc Dao, Alexandru Sover
90	Accuracy and precision studies for range-only underwater target tracking in shallow waters	Ivan Masmitja, Pierre-Jean Bouvet, Spartacus Gomariz, Jacopo Aguzzi, Joaquin del-Rio, Daniel Mihai Toma
93	Data Correlation in Sensor Networks	Constantin Daniel Oancea
102	A simple and robust intelligent environment monitoring system for special purpose medical laboratories	Alina Elena Taina
106	Study of cylindrical dielectric resonators for measurements of the surface resistance of high conducting materials	Kostiantyn Torokhtii, Nicola Pompeo, Stefano Sarti, Enrico Silva
108	Multifunctional hollow dielectric resonator design for conductivity/permittivity measurements of bulk samples	Kostiantyn Torokhtii, Nicola Pompeo, Enrico Silva
116	On the Assessment of Slow Voltage Variations in Electric Distribution Networks using K-Means Clustering Algorithm	Gheorghe Grigoras, Bogdan-Constantin Neagu
124	A Comparison between a commercial WBV platform and an experimental prototype	Francesco Orsini, Andrea Rossi, Andrea Scorza, Fabio Botta, Salvatore Andrea Sciuto

128	Ultrasound image Uniformity assessment by means of sparse matrices: algorithm implementation and first results	Lorenzo Schinaia, Andrea Scorza, Francesco Orsini, Salvatore Andrea Sciuto
130	Feature Classification in Ultrasound textures for image quality assessment: a preliminary study on the Haralick features selection	Lorenzo Schinaia, Andrea Scorza, Francesco Orsini, Salvatore Andrea Sciuto
134	A preliminary performance validation of a MEMS accelerometer for blade vibration monitoring	Andrea Rossi, Francesco Orsini, Andrea Scorza, Fabio Botta, Fabio Leccese, Enrico Silva, Kostiantyn Torokhtii, Ivan Bernabucci, Salvatore Andrea Sciuto
138	Detection of Irregular Consumption to Load Monitoring in Smart Grids	Bogdan Neagu, Gheorghe Grigoras
150	Electromagnetic stress induced by surface discharges on water film	Delicia Dirlau, Oana Beniuga, Radu Burlica
152	Quality assurance by means laboratory proficiency testing. A practical case of wheat flour proficiency testing	Alina Taina
162	THE LABORATORY STANDS WITH REMOTE ACCESS FOR TEACHING OF THE EXPERIMENTAL COURSES	Linus Michaeli, Ján Šaliga, Imrich Andráš, Pavol Dolinský, Mária Gamcová
170	New Measurement Techniques for Gait Analysis: the Grail experience	Luigi Iuppariello, Paolo Bifulco, Mario Cesarelli, Simona Esposito, Maurizio Nespoli, Luigi Foggia, Fabrizio Clemente
184	Artificial Bee Colony Algorithm for Peak-to-Peak Factor Minimization in Periodic Signals	Yingyue Hu, Pedro M. Ramos, Fernando M. Janeiro
188	Modeling and Simulation of Electromagnetic Absorption Properties of the Different Nanostructured Composites	George-Andrei Ursan, Romeo Cristian Ciobanu, Costel Donose, Maria Ursan
190	Using IMUs to monitor body kinematics while cycling in different in-field conditions	Daniele Bibbo, Ivan Bernabucci, Andrea Scorza, Francesco Orsini, Salvatore Andrea Sciuto, Maurizio Schmid
196	Compression Study of Continuous-Time Sampled ECG Data for e-Health Applications	Mariam TLILI, Manel BEN ROMDHANE, Asma MAALEJ, François RIVET, Dominique DALLET, Chiheb REBAI
204	Temperature Measurements for Industrial Applications Using Virtual Instrumentation	Georgian-Cosmin Pintilie, Adrian Traian Plesca
206	Decision-Making Mechanisms for CyberPhysical Systems: Challenges and Opportunities for their Implementation with Low-Cost Embedded Devices	Kostas Siozios, Stylianos Siskos, Norocel Codreanu
226	Accurate Measurement of the RMS Value by Means of an Analog Multiplier-based RMS-to-DC Converter	Daniel Belega, Robert Pazsitka, Dan Stoiciu
228	Methods for reducing Conducted Emissions levels	Andrei-Marius Silaghi, Adrian Petru Buta, Mihai Silviu Baderca, Aldo De Sabata

234	Fiber optic pressure sensor	Andrei Catinean, Bogdan Tebrean, Radu Bogdan, Titus Crisan
238	Characterisation of transmission of digital signals trough stainless steel conductive thread embroidered in T-shirts	Sabin Banuleasa, Radu Munteanu Jr., Alexandru Rusu, Dan Iudean, Alecu Mihnea
240	Elements of Energy Efficiency in Water Supply Systems. A Case Study	Georgiana Ancuta Moraru, Marcel Istrate
252	Design of a Multimodal Interface Based in Psychophysiological Sensing to Predict Emotion States	Válber C. Cavalcanti Roza, Octavian Postolache
254	Low Pass Digital Filter Delay Compensation for Accurate Zero Cross Detection in Power Quality	Nuno Rodrigues, Fernando Janeiro, Pedro Ramos
274	Software approach in noise reduction on an ECG acquision platform	Radu Ilinca, Octavian Doaga
276	Mobile Applications for Smart Notifications	Calin Rugina, Olga Plopa, Alexandra Iulia Vizitiu
286	Microphone Array Speech Sensing and Dereverberation with Linear Prediction	Imrich Andráš, Pavol Dolinský, Linus Michaeli, Ján Šaliga
298	Assessing operational planning performance among wind power system based on N-1criterion	Oana Beniuga, Razvan Beniuga
301	Size- and Shape-Controlled Synthesis of Ferroelectric Plate-like Particles and Their Piezoelectric Characteristics	Marjeta Macek-Krzmanc, Hana Ursic Nemevsek, Danilo Suvorov, Romeo Ciobanu
307	Exploring the Physiosorption Mechanism of Pristine Onion-like Carbons (OLCs) as Gas Sensitive Element	Alexandru Arcire, Marius-Andrei Olariu, George Mihalache
313	Conditioning circuit for assessing the performance of renewable energy sources	Constantin Daniel Oancea, Tiberiu Tudorache
315	Polyoxidic Thick Films for Piezoelectric Energy Harvesters	Hana Uršič, Romeo Ciobanu, Olga Plopa
319	Domain wall velocity and magnetic characterization in bistable glass coated wires	Sorin Corodeanu, Horia Chiriac, Nicoleta Lupu, Tibor-Adrian Óvári
326	Measurements on a DC Motor using Imaging and Virtual Instrumentation Techniques	Rodica Holonec, Romul Copindean, Florin Dragan, Laszlo Rapolti
348	Comparison of three Control Drive Systems for Interior Permanent Magnet Synchronous Motors	Massimo Caruso, Antonino Oscar Di Tommaso, Rosario Miceli, Claudio Nevoloso, Ciro Spataro, Fabio Viola
350	Magnetic Field Effects on Human Body of Wireless Chargers for E-bikes	Massimo Caruso, Vincenzo Castiglia, Rosario Miceli, Filippo Pellitteri, Ciro Spataro, Fabio Viola
357	Considerations on magnetic levitation realized with superconductive materials	Vasile Bahrin
361	Behaviour of an electrospun sputtered strain gage in various supplying conditions	Ionel Hogas, Cristian Fosalau
381	IEEE 802.11 INTRA-WLAN Load Balancing Algorithm for Network Performance Improvement	Iulian Ilieș, Radu Adrian Munteanu, Mihai Munteanu
385	“Intelligent” Controller Algorithm for Load Distribution Enhancement of IEEE 802.11 INTER-WLAN Traffic	Iulian Ilieș, Mihai Munteanu, Radu Adrian Munteanu