List of papers

submitted to 2013 IEEE XXXIII International Scientific Conference "ELECTRONICS AND NANOTECHNOLOGY" (Kyiv, Ukraine)

EasyChair #	Authors	Title of paper
2	Mohammad Divandari, Ahmad Dadpour, Farough Shahsavari and Mohammad Rezaeimoghadam	Online Gains Correction of a Dynamic Observer for High Speed Brush-less DC Drive
3	Ahmad Dadpour, Korosh Ansari, Mohammad Divandari and Mohammad Reza Hosseinkhah	Effects of Pole Shoe and Notch on Switched Reluctance Motor Noise
5	Chao Chen and Jianhui Wu	A 1.2V Wideband CMOS Mixer with High Conversion Gain and Low Flicker Noise
6	Xiao Shi, Jianhui Wu and Zhilin Liu	A 1.2V Current Mirror Double Balanced Mixer with Current Reusing Technique
7	Mohammad Shahbakhti	Elimination Of Blink From EEG By Adaptive Filtering Without Using Artifact Reference
8	Eugene Sokol, Natalya Klochko, Gennady Khrypunov, Yuri Myagchenko, Eugene Melnychuk, Volodymyr Kopach, Catherine Klepikova, Viktor Lyubov and Andrii Kopach	Electrochemical Design of Zinc Oxide Arrays for Dye-Sensitized Solar Cells
9	Saber Izadpanah Tous	Design of a High Performance CMOS Operational Amplifier Using DTMOS Technique
10	Mahdi Salimi	Sliding-Mode Control of the DC-DC Flyback Converter in Discontinuous Conduction Mode
12	Vladimir Ulansky and Sali Ben Suleiman	Negative Differential Resistance Based Voltage-Controlled Oscillator for VHF Band
13	Sergiy Gordienko, Oleksiy Nazarov, Petro Lytvyn, Oleksandr Stadnik, Yuri Gomeniuk, Andriy Rusavsky, Andriy Vasin, Volodymyr Stepanov, Volodymyr Lysenko and Tamara Nazarova	Carbon-Rich Nanostructured a-SiC for Cold Emitters
14	Yuriy Didenko, Iryna Patsora, Dmytro Tatarchuk, Ievgen Kharabet and Anton Franchuk	Thermal dependence of "metal-polymer" type composite materials' dielectric properties in ultra-high frequency band
15	Pavlo Sergienko, Guy Vandenbosch and Yuriy Prokopenko	Novel concept for microstrip stub resonant frequency control
16	Natan Krihely	A Friendly Approach to Increasing the Frequency Response of Piezoelectric Generators
17	Alexander Noack, Sebastian Zaunseder, Rüdiger Poll and Wolf-Joachim Fischer	QRS Pattern Recognition using a simple Clustering Approach
18	Sergey Mikhailov, Nina Slobodian and Denis Shilo	Investigation of the relative sensitivity of control of impulse X-ray television systems
19	Melinda Varga, Marco Luniak and Klaus-Jürgen Wolter	Novel self-folding electrode for neural stimulation and recording
20	Viktor Zaharov, Angel Lambertt and Oleksandr Kokhanov	Sustaining the Lower Bound of QoS in MIMO Ad-Hoc Network with Concurrent Virtual Streams
21	Md. Shafayat Hossain, Ahmedullah Aziz, Mohammad Wahidur Rahman and Muhammad Abdullah Arafat	Effect of Gate Dielectric on Ballistic Transport of Cylindrical Carbon Nanotube MOSFET
22	Serhii Polishchuk, Mykhailo Artemenko, Valerii Mykhalskyi, Ivan Shapoval and Larysa Batrak	Minimization of Cable Losses in Three-Phase Four-Wire Systems by means of Instantaneous Compensation with Shunt Active Filters
23	Andriy Luntovskyy	CANDY Framework for Combined Network Design
24	Andrey Cheremisinov, Robert Tikhonov and	The Three-Collector Magnetotransistor: Variable

EasyChair #	Authors	Title of paper
	Vladimir Amelichev	Sensitivity
25	Arkadiy Prodeus	Speech corpuses: creation and features
26	Artem Fediai and Volodymyr Moskaliuk	Modeling of Resonant-Tunneling Diode with Unoform and Graded Emitter
27	Nikolay Nikolov, Valerij Orel, Alexandr Rykhalskiy, Natalia Dzyatkovskya, Andrej Romanov, Olga Yaroshenko, Dmitrij Supruniuk, V. Orel, Maxim Khamrovskiy, M. Penievskyi and A. Radaguz	Magnetic Nanotherapeutics of Guerin Carcinoma
28	Denis Vertyanov, Kirill Tikhonov, Sergey Timoshenkov, Vasiliy Petrov and Gennadiy Blinov	Peculiarities of multichip micro module frameless design with ball contacts on the flexible board
29	Marina Lapenok and Elena Koscheeva	Education students study of electric circuit by means of computer simulation
30	Natalya Korobova, Vaniamin Vodopyanov, Yuliya Stepanova, Yuliya Cherkasova, Olga Isaikina and Sergey Timoshenkov	Functional film peculiarities of the “metal- insulator-metal”structure devices
31	Kai-Wen Yao, Cihun-Siyong Alex Gong, Chih-Hung Wang, Kun-Hsin Wang and Muh-Tian Shiue	Design of An Implantable Transceiver
32	Stanislav Denbnovetskiy, Igor Melnik, Vitaliy Melnik, Boris Tugay and Sergey Tugay	Investigation of Electron-Ion Optics of Pulse Technological Glow Discharge Electron Guns
33	Volodymyr Zamaruiev	The use of the Dirichlet Kernel in the Control Systems of Active Filters for Industrial Power Line
34	Eugen Sokol, Yurij Goncharov, Aleksandr Eresko, Volodymyr Zamaruiev, Sergej Krivosheev, Volodymyr Ivakhno, Eugen Malyarenko, Bogdan Styslo and Kristina Upyrenko	ELECTRONIC SYSTEM WITH SERIES ORGANIZATION FOR CONNECTION THE DISTRIBUTED GENERATORS OF RENEWABLE ENERGY TO LOW VOLTAGE INDUSTRIAL NETWORK
35	Victor Kazmirenko, Irina Golubeva and Yuriy Prokopenko	Waveguide Variable Attenuator Suitable for Electromechnanical Control
36	Nataliia Ruda, Yuriy Prokopenko and Yuriy Poplavko	Micromechanical tuning of microstrip antenna in frequency domain
37	Yevgen Yermolenko, Oleksandr Bondarenko and Kristina Yermolenko	The Method of Determining the Duration of Transients in Semiconductor Devices for Current-Voltage Characteristics Measurement
38	Maksym Klymov	Optimization of Phosphorous Diffusion in Silicon Photocells
39	Kostiantyn Savin, Yuriy Prokopenko and Guy Vandenbosch	Mode Matching Technique for Tunable Shielded Cylindrical Metal-Dielectric Resonator
40	Yuriy Gramarchuk, Nicolay Kobak, Vyacheslav Petrenko and Sergey Slesarenko	Simulation parameters of the microwave synthesizer for radar system
41	Sergey Barannik, Aleksandr Dyomin, Yurii Petrovskii and Yaroslav Titenok	GRID Storage and Procesing for Medical Images—New Instrument for Diagnistics
42	Dmitriy Supruniuk and Nikolay Nikolov	Stochastic properties of nephroscintigraphic images with 99mTc-DMSA
43	Oleg Vityaz	Distributed Feedback Analysis
44	Anton Popov, Oleksii Avilov and Oleksii Kanaykin	Saturation of electroencephalogram permutation entropy for large time lags
45	Konstantin Bol and Vladimir Moskalyuk	Modeling of velocity „overshoot” in the multivalley semiconductors
46	Pavel Loshitskiy and Dmitriy Mynziak	Noninvasive method for measuring and monitoring blood glucose concentration
47	Evgen Sokol, Andrey Kipenskiy, Vjacheslav Kulichenko, Roman Tomashevskiy and Tetyana Barhotkina	The Analysis of Technical Solutions for Medical Ozonators
48	Vazgen Melikyan, Abraham Balabanyan, Artak	Receiver/Transmitter Input/Output Termination

EasyChair #	Authors	Title of paper
	Hayrapetyan and Nazeli Melikyan	Resistance Calibration Method
49	Olga Sushchenko	Optimal design of electronic stabilization system
50	Anatoliy Korol and Valeri Isai	The transmission of the graphene-based Fibonacci superlattice. A.M.Korol, V.M.Isai
51	Mykhaylo Baran, Yuri Synekop, Natalia Kostevska, Vladislav Virchenko and Alexander Mukhomor	The impact of magnetic field on blood vessels
52	Sabine Kirsten, Jakob Wetterling, Jürgen Uhlemann, Sergej Zigler and Klaus-Jürgen Wolter	Barrier Properties of Polymer Encapsulation Materials for Implantable Microsystems
53	Veselin Ivanović, Srdjan Jovanovski, Nevena Radović and Zdravko Uskoković	Real-time Implementation of the Optimal Two-Dimensional Filter for Highly Nonstationary Frequency-Modulated Signal Estimation
54	Vladimir Ulansky and Hassan Elsherif	Optimization of LC Voltage-Controlled Oscillators in 90-nm CMOS Technology for 3G Transceivers
55	Mykola Rudka, Vladimir Antonyuk and Nataliia Stetsyck	Optical and luminescence effects in Cu,Au-doped cadmium iodide layered nanostructures
56	Tetiana Semikina, Sergiy Mamykin and Marek Godlewski	ZnO as a conductive layer for solar cells based on II-VI materials
57	Grigor Zargaryan	Verification Environments for USB Controller
58	Ara Gevorgyan	3D IC Cooling Mechanism by Using Signaling Vias
59	Nikolay Nikolov, Alex Solyar and Olga Yaroshenko	Experimental investigation of aqueous solutions superradiance
60	Valeriy Sharapov, Sergey Filimonov, Zhanna Sotula, Konstantin Bazilo, Larisa Kunitskaya and Vasiliy Zaika	Improvement of piezoceramic scanners
61	Mykola Khodakovskyy, Pavlo Merjvinskyy and Anatoliy Zolot	The use of magnetometric instruments in the study of spatial interactions of thermochemical cells potentials for diagnosis of reflex sensory subsystems of the human body
62	Boram Lee and Ted Higman	1.2V Constant-gm Rail-to-Rail CMOS Op-Amp Input Stage with New Overlapped Transition Regions Technique
63	Bekir Karlik and Güneş Harman	Computer-Aided Software for Early Diagnosis of Eerythemato-squamous Diseases
64	Oleksandr Afanasyev and Anatoliy Shcherba	Method for determining energy losses in switched-mode converter power switches depending on storage inductor current modes
65	Larysa Globa, Vasyl Kurdecha, Svitlana Sulima and Ksenia Alieksieienko	Updating procedure of the Software Defined Radio system
66	Ganna Pugach, Viacheslav Khomenko, Alexandre Pitti, Artem Melnyk, Patrick Henaff and Philippe Gaussier	Electronic hardware design of a low cost tactile sensor device for physical Human-Robot Interactions
67	Vladimir Bezhenar, Dmitry Mykolaets, Vitaly Mykytyuk and Tatiana Tereshchenko	Multilevel Inverter as VAR-compensator
68	Tetiana Rudenko, Vjacheclav Martynov and Yuriy Rudenko	Power supply system for energy-intensive technologies
69	Anatolii Belous, Sergii Solopan, Oleksandr Yelenich, Larysa Bubnovska and Sergej Osinsky	Nanoparticles of ferromagnetic materials and possibilities of their application in the hyperthermia of malignant tumors
70	Valerii Zhuikov and Mykola Kuznietsov	Modeling of Electrical and Vibration Signals of Transformers with Different Magnetic Properties
71	Tatiana Tereschenko, Oleksiy Veretiuk and Sergey Veretiuk	Preprocessing telecommunication data traffic for forecasting
72	Nataliya Matveyeva, Nataliya Ivanushkina and Ekaterina Ivanko	Combined Method for Detection of Atrial Late Potentials

EasyChair #	Authors	Title of paper
73	Evgen Pichkalyov, Anna Kyselova, Olga Kyselova	Optimizing operating mode of diesel generator with variable load
74	Irina Dmitrieva	Mathematical simulation of the specific signal transmissions in an inhomogeneous medium
75	Oleksander Bogdan, Andrii Zazerin and Anatolii Orlov	Applied Software DOSLID for Educational Laboratory Complex
76	Olexandr Lemeshko and Sergiy Garkusha	Slot Allocation Model and Data Burst Scheduling in Downlink WiMAX Technology
77	Anatolii Orlov, Veronika Ulianova, Yuriy Yakimenko, Oleksandr Bogdan and Gennady Pashkevich	Synthesis of ZnO Nanorods for Acoustic Wave Sensor
78	Olha Sarapulova, Tetiana Kyrychok, Valentyn Sherstiuk and Anatolii Orlov	Modern Printing Technologies in Micro- and Nanoelectronics
79	Olga V. Shapoval, Jiri Ctyroky and Alexander I. Nosich	Mathematical Simulation of Optical Nanoantenna Based on a Comb-Like Finite Nanostrip Grating
80	Irena Yermakova, Yuliia Solopchuk and Lyudmila Khudyakova	Heat production, heat transfer and heat exchange in man during water immersion: mathematical modeling
81	Roman Chaplinskiy	Modeling of the dielectric barrier RF discharge at atmospheric pressure
82	Helen Semenovs'Ka and Volodymyr Timofeyev	THE THERMAL RESISTANCE OF POWERFUL SUBMICRON HETEROSTRUCTURE TRANSISTOR
83	Murad Taher	Design an Algorithm to Syntheses DC-DC Converters
84	Amir Jalali and Hossein Pedram	Timing Yield and Reliability Improvement of Carbon Nanotube FET Based Digital Circuits with Statistical Driven Correlation-aware Placement
85	Christine F. Boos and Fernando M. Azevedo	Automatic Pattern Recognition of Epileptiform Discharges using Morphological Descriptors and Linear Discriminant Analysis
86	Yuriy Rapoport, Vladimir Grimalsky, Allan Boardman and Nikita Kalinich	Nonlinear Beams and Active Controllable Field Concentrator with Isotropic Metamaterials
87	Yuriy Rapoport, Vladimir Grimalsky, Igor Nefedov, Nikita Kalinich and Vadim Malnev	Three-Level Approach to Graphene Metamaterials: Electron Density Waves and Linear and Nonlinear Electrodynamics
88	Vladimir Timofeyev and Elena Faleyeva	Two-Channel Heterotransistors With Quantum Dots Systems
89	Ali Jadooei, Oleksii Zaderykhin and Vyacheslav Shulgin	Adaptive algorithm for continuous monitoring of blood pressure using a pulse transit time
90	Konstantin Gorshkov and Vladimir Filaretov	Topological analysis of active networks containing pathological mirror elements
91	Sergey Orlov, Ilya Khomyakov, Konstantin Svechkarev, Andrey Dayneko and Igor Matyushkin	The integrated micromechanical relay with a movable electrode in the form of a structure with the piezoelectric layer
92	Igor Matyushkin, Nikolay Shelepin, Sergey Orlov, Alexander Ermakov, Konstantin Svechkarev, Pavel Bobovnikov, Alexey Mikhaylov and Alexey Belov	The ways of silicon carbide usage in field-emission devices: the technological aspect
93	Grygoriy Barylo, Hrystyna Ivanyuk and Nataliia Kus	Using wireless sensor networks in environmental monitoring system
94	Grygoriy Barylo, Zenon Gotra, Andriy Zazulyak, Alexander Kozhuhar and Nataliia Kus	Stimulating light system to create a controlled effect relaxation
95	Alexander Vishnevsky and Diana Aznakayeva	Photonic Crystal Filter with Fractal Structure 2D Modeling
96	Anton Boyko, Dahir Gaev, Sergei Timoshenkov and Dmitry Litmanovich	Controlable growth of copper fractal aggregates on structurally modified silicon surface
97	Mohamad Al Jader, Olga Korostynska, Alex	Non-Destructive Volume and Thickness

EasyChair #	Authors	Title of paper
	Mason and Ahmed I. Al-Shamma'A	Measurements with Planar Microwave Sensors
98	Denys Natarov, Marian Marciniak, Ronan Sauleau and Alexander Nosich	Periodicity assisted scattering and absorption of light by finite layered gratings of silver nanowires
99	A.A. Tuyakbayev, D.A. Tuyakbaev and M.K. Baizhumanov	Modeling of Electronic Radiation Influence to Transistors
100	Emir Aznakayev and Diana Aznakayeva	Excitation Processes Modeling in Two-Layer Graphene
101	Dmitry Mynziak, Pavel P. Loshitskiy, Olga Korostynska, Alex Mason and Ahmed I. Al-Shamma'A	Influence of Non-Thermal Intensity EHF Radiation on Properties of Water and NaCl Aqueous Solutions
102	Manodipan Sahoo and Hafizur Rahaman	Performance Analysis of Multi Walled Carbon Nanotube Bundles
103	Ann Poreva and Vladimir Fesechko	Differentiation of moist fine rales and crackles by polyspectral analysis
104	Ihor Shelevytsky and Olga Novikova	Fractal Spline Signals: Synthesis and Estimation
106	Pranab Roy, Mahua Raha Patra, Hafizur Rahaman and Parthasarathi Dasgupta	Automated parallel detection based analyzer system for integrated bioassays in Digital Microfluidic Biochip
107	Victor Kalugin, Elena Kochurina, Stepan Anchutin, Damir Mukimov and San Min Naing	Analysis of the effect of geometric errors on the MEMS sensor parameters
108	Amna Hassan and Oleg Mironov	Structural and electrical characterization of SiGe heterostructures containing a pure Ge strained quantum well
109	Moustafa Ghannam and Husain Kamal	Recombination at the Si/SiO2 Interface: Shockley-Read-Hall Statistics versus Recombination via Amphoteric Defects
110	Manlika Rajchakit	Robust stability of uncertain stochastic discrete-time systems
111	Lopata Viktor, Sinekop Yuri, El-Shebbakh Mohammed and Myasnyi Ivan	On the spirometry and spirometers standardization
112	Grienggrai Rajchakit	New delay-dependent stability criteria for switched linear systems with interval time-varying delays
113	Oleksandr Rotar and Vasiliy Rotar	Preparation Of Chitosan Nanoparticles Loaded With Glutathione
114	Sergiy Senchurov and Olexander Mololyga	The Enhancement of the Linear X-Ray Tomography with Digital Tomosynthesis Algorithms
115	Anna Kyselova and Valerii Zhuikov	Integration of context-aware control system in microgrid
116	Tetiana Khyzhniak and Viktor Kolesnyk	Simulation of power system using Petri nets
117	Eugene Volkov, Sergey Miroshnychenko and Andriy Nevhasymyy	Geometrical measuring at 3D stereoscopic radiography
118	Dmytro Radko, Sergei Miroshnichenko, Natalia Miroshnichenko, Lyudmila Aslamova, Nadezhda Melenevska and Yelizaveta Grabovska	Assessment of possibilities of the fluorography image contrast digital enhancement
119	Sergii Miroshnychenko and Andrii Nevgasymyi	Efficiency and pattern noise supression in sensor array X-ray digital receptors
120	Alexander Chupakhin	Shield Current Induced Noise in Audio Cables
121	Yu. Onikienko, V. Pilinsky and V. Shvaychenko	Simulation of Electromagnetic Environment Class-D Amplifiers
122	Lukasz Maslikowski, Dmitriy Glushko, Felix Yanovsky and Krzysztof Kulpa	Short-Range C-Band Noise Radar for Meteorological Application
123	Nataliia Maksimchuk and Alexander Borisov	Nanocrystalline Cerium Oxide Films as a Functional Material for Photodetectors of Bioluminescent Signal
124	Dovzhenko A., Pilinsky V and Shvaychenko V	Contemporary Trends of Improve EMI Filters
125	Yuriy Bashkatov, Vadim Khomenko, Olexandr Kutsenko and Borys Tsiganok	Investigation of self-shifted solitons as part of femtosecond supercontinuum