

POSTER SESSION - LIST

ID	author	title
(9)	Jan Farlik, Alexandr Stefek, Josef Casar	Multi-agent system as operational center support
(20)	Vladimir Kindl, Karel Hruska, Jan Sobra, Miroslav Byrtus	Effect of Induction Machine's Load and Rotor Eccentricity on Space Harmonics in the Air Gap Magnetic Flux Density
(32)	Jiri Krejsa, Stanislav Vechet	Covering the Working Space of Mobile Robot
(37)	Min Zhao, Xiao-han Tian, Ruo-yun Zhang, Lin-lin Wu	A wireless passive tension sensor
(38)	Oleg Sivkov, Martin Novak	Implementation of SiC inverter for high frequency, medium voltage applications
(40)	Roman Pechanek, Vladimir Kindl, Bohumir Hana	Determination of Critical Temperature of Small Squirrel Cage Motor through FEA
(44)	Ladislav Gregor, Libor Drazen, Jiri Vesely	The creation of pressure maps using SIF/IFF information
(53)	Jiri Zahalka, Frantisek Bradac, Jiri Tuma, Milos Synek	Assurance of Functional Safety in relation to Ecodesign of Machine Tools
(57)	Dusan Maga, Jiri Hajek, Marek Neruda, Lukas Vojtech	FE Model of EM Shielding Textile Materials
(60)	Petr Stodola, Jan Mazal, Milan Podhorec, Ondrej Litvaj	Using the Ant Colony Optimization Algorithm for the Capacitated Vehicle Routing Problem
(61)	Yves Bergeon, Radek Doskocil, Jaromir Hosek, Vaclav Krivanek, Alexandr Stefek	Stereo Vision for Teleoperated Robot
(74)	Patrik Kutilek, Vladimir Socha, Premysl Fitl, Pavel Smrcka	Evaluation of the Adhesion Strength using Digital Microscope and International Standards
(76)	Marcel Janda, Zbynek Makki, Pavel Konicek	Calculation of the Vibration Induction Motor Using the Finite Element Method
(79)	Pham Ich Quy, Martin Polasek	Using Thresholding Techniques for Object Detection in Infrared Images
(83)	Pavel Vorel, Jan Martis	Power Supply for Resistive Heating of Iron Components
(84)	Yao Min, Zhao Min, Guo Xiaobo	The Development of X-ray Fluorescence Spectrometer Based on Energy Dispersion
(85)	Michal Ruzicka, Petr Masek	Design of visual odometry system for mobile robot
(91)	Peter Fabo, Gabriel Gaspar	pySimEd – universal framework for visual programming
(95)	Jan Knobloch, Dalibor Cervinka, Petr Prochazka, Josef Kadlec, Radoslav Cipin, Ivo Pazdera	Universal Test Bench for AC Traction Motors 600V/500A
(96)	Ivo Pazdera, Petr Prochazka, Dalibor Cervinka, Radek Cipin, Jan Knobloch, Josef Kadlec	Actuator for Tattoo Machine
(99)	Bac Nghia Vu, Milos Andrlé	The Code and Carrier Tracking loops for GPS Signal
(108)	Bohuslav Busov, Milada Bartlova	Improvement of Active Hinge of the Car Bonnet
(112)	Bohuslav Busov, Radek Knoflicek, Milada Bartlova	Improvement the Evaluation of Innovation
(116)	Radek Votrubec, Miroslav Vavrousek	Control system of a rotary pneumatic motor
(119)	Petr Masek, Michal Ruzicka	Speech Recognition via STT API for Autonomous Mobile Robot
(120)	Radek Votrubec	Control system of the seat with variable stiffness
(145)	Juraj Madaras, Viktor Ferencey, Martin Bugar	Mechatronic System of Variable Valve Lift Control for Internal Combustion Engine
(147)	Radim Belousek, Miroslav Patocka	Analysis of the Induction Machine Substituting Circuit
(150)	Miroslav Neubauer, Alexandr Stefek	General Implementation of the Ant Colony Optimization on .NET Platform
(152)	Jaroslav Krejci, Tomas Zeman, Jaromir Hrad	Modeling of Impulse Noise in Metallic Lines
(154)	Stefan Brock, Maciej Gniadek	Analysis of input shaping and PID-controller interaction structures for two-mass systems
(155)	Marek Neruda, Lukas Vojtech	Heating Ability of Electrically Conductive Textile Materials
(157)	Radek Vlach	Novel Approach to Thermoelectric Generator Modeling as Energy Harvesting System
(158)	Marek Nevosad, Pavel Lafata	Analysis of Transmission Parameters of Metallic Cables Based on External Conditions
(159)	Marek Regula, Vladimir Socha, Patrik Kutilek, Lubos Socha, Karel Hana, Lenka Hanakova, Stanislav Szabo	Study of heart rate as the main stress indicator in aircraft pilots
(162)	Jiri Vodrazka, Zbynek Kocur, Jiri Holecek, Leos Bohac	Procedure to Measure of the Data Transmission Speed in LTE Mobile Networks
(163)	Jiri Vodrazka, Martin Horak, Karel Dusek	Aging Analysis of Metalized Film Capacitors
(165)	Vojtech Blahnik, Tomas Kosan, Jakub Talla	Control of Single-Phase AC/DC Converter based on SOGI-PLL voltage synchronization
(169)	Igor Kostal	A .NET application searching for data in a log file of the KUKA industrial welding robot
(182)	Lubos Streit, Jakub Talla, Pavel Drabek	Economic Comparison of Basic Energy Storage System Control Strategies
(183)	Martin Pittermann, Jiri Fort	Electric Drive with Voltage-Fed Inverter with Regard to Influence of Voltage Sag
(196)	Josef Vejlupek	Trailer Parking Assistant
(200)	Suat Karakaya, Gürkan Küçükylidiz, Can Toprak, Hasan Ocak	Development of a Human Tracking Indoor Mobile Robot Platform
(210)	Yongtao Liu, Kai Dong, Tao Dong	Thermal Simulation of Bionic transpiration heat pipe system for high-power LED
(216)	Valentin Morozov, Alexey Zhdanov	Features of designing mechatronic units of translatory motion with forced load modes
(217)	Jiri Kovar, Jan Rucka, Ondrej Andrs	Simulation modelling of water-supply network as mechatronic system
(218)	Godem A. Ismeal, Karol Kyslan, Viliam Fedak	DC Motor Identification Based on Recurrent Neural Networks
(220)	Maria Iskandirova, Petr Blecha, Michal Holub, Ivan Dudarev	Assessing the impact of mechatronic systems on the environment
(221)	Jan Hrbacek, Vladislav Singule, Pavel Houska:	Design of PMSM-based Electric Motor Test Stand
(223)	Stanislav Vechet, Jiri Krejsa, Michal Ruzicka, Petr Masek	Building a Scaled Model of Autonomous Convoy Powered by ARM mbed Microcontrollers
(226)	Vit Ondrousek, Jan Kolomaznik, Marcel Vytecka	Recognition of the Objects on the Conveyor Belt Using Graph Matching Algorithms
(231)	Margarita Plotnikova	Communication in nanotechnology