



**14th INTERNATIONAL SYMPOSIUM on
POWER ELECTRONICS - Ee 2007**
XIV Međunarodni simpozijum Energetska elektronika – Ee 2007
NOVI SAD, REPUBLIC OF SERBIA, November 7th - 9th, 2007

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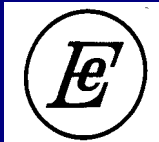
P. Brandštetter	Czech Rep.	VARIATIONS OF RBF NETWORK IN ROTOR TIME CONSTANT ADAPTATION
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Б. Израилевич Г. Ильич Т. Иванович Ш. Анатольевич Z. Lazarević	Russia Russia Russia Russia Serbia	Merenje parametara induktora na osnovu krive prigušenja MEASURING PARAMETERS INDUCTORS ON BASED SHADING CURVE

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D. Vračar	Serbia	DESIGN OF DSPIC BASED DIGITAL DRIVE CONTROLLER FOR AC MOTORS
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C. Tudoran	Romania	
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S. Scridon	Romania	

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M. Svoboda	Romania	INTELLIGENT CONTROL OF THE PERMANENT MAGNET SYNCHRONOUS MACHINE
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J. Fard	Iran	DECENTRALIZED CONTROLLER DESIGN FOR FOUR-WHEEL ANTI-LOCK BRAKING SYSTEM MODEL
M. Nekoui	Iran	
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A. Argeseanu	Romania	A NEW ABSOLUTE ENCODER WITH COLOURS CODIFICATION
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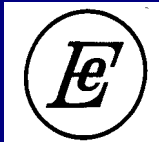
P. Petrović	Serbia	NEW ALGORITHM FOR RECONSTRUCTION OF BAND-LIMITED AC SIGNALS FROM IRREGULARLY SPACED SETS OF INTEGRATED VALUES
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Č. Milosavljević	Serbia	DIGITAL SLIDING-MODE BASED INDUCTION MACHINE SHAFT POSITION CONTROLLER SYNTHESIS
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B. Jeftenić	Serbia	Savremene metode upravljanja pumpama za odvodnjavanje tla na površinskim kopovima MODERN CONTROL METHODS FOR DRAINING PUMPS AT SURFACE MINES
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M. Bebić	Serbia	
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T4-3.4 Đ. Tripković Đ. Oros V. Vasić	Serbia Serbia Serbia	Upravljanje gorionicima pomoću industrijskog mikroprocesorskog kontrolera BURNER CONTROLS BY MICROPROCESSOR-BASED BURNER MENAGEMENT SYSTEM
T4-3.5 Ž. Despotović I. Cvetković S. Vukosavić	Serbia Serbia Serbia	Nova tehnologija upravljanja elektrostatičkim izdvajačima NEW TECHNOLOGY FOR ELECTROSTATIC PRECIPITATOR CONTROL
T4-3.6 Ž. Despotović S. Vukosavić	Serbia Serbia	Visokofrekventno upravljanje elektrostatičkim izdvajačima HIGH FREQUENCY CONTROL OF ELECTROSTATIC PRECIPITATOR
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T4-3.8 M. Živić	Serbia	Izbor parametara regulacije prototipa vektorskog regulatora za asinhroni motor CONTROL PARAMETERS SELECTION FOR PROTOTYPE OF INDUCTION MOTOR WITH VECTOR CONTROL
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T4-4.1 G. Dujić Ž. Mihajlović I. Mezei	Serbia Serbia Serbia	Primena SYSTEMC jezika u modelovanju i sintezi kontrolera za merenje pozicije na FPGA kolu USING SYSTEMC TO MODEL AND SYNTHESIZE POSITION MEASURING CONTROLLER ON FPGA CIRCUIT
T4-4.2 D. Sekulić M. Slankamenac M. Živanov	Serbia Serbia Serbia	Merenje impedanse električnih komponenti pomoću HP 4194A impedance analyzer-a MEASUREMENT OF ELECTRICAL COMPONENTS IMPEDANCE BY HP 4194A IMPEDANCE ANALYZER
T4-4.3 M. Trobok V. Vujičić	Serbia Serbia	Predlog sistema za kalibraciju složenoperiodičnih napona na mrežnoj učestanosti A PROPOSAL FOR NONSINUSOIDAL VOLTAGE CALIBRATION SYSTEM AT GRID FREQUENCY
T4-4.4 B. Santrač V. Vujičić	Serbia Serbia	Granice tačnosti stohastičkog mernog instrumenta pri niskom SNR STOCHASTIC INSTRUMENT ACCURACY LIMITS AT LOW SIGNAL-TO-NOISE RATIO



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T4-4.5

Đ. Karan	Serbia	Predlog i jedna realizacija novog načina merenja vršne (angažovane) snage A PROPOSAL AND THE REALIZATION OF A NEW METHOD FOR PEAK POWER CONSUMPTION MEASUREMENT
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S. Sarić	Serbia	Kalibracija i simulacija cementolog sondi za bušotinska merenja CEMENT BOND TOOLS CALIBRATION AND SIMULATION IN BOREHOLE MEASUREMENTS
B. Živanov	Serbia	
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D. Ristivojević	Serbia	Analiza uzemljivača na površinskim kopovima PD RB „Kolubara“ Lazarevac ANALYSIS OF EARTH ELECTRODES ON OPEN PIT MINES PD RB "KOLUBARA" LAZAREVAC
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S. Damnjanović	Serbia	
N. Stevanović	Serbia	
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T4-4.8

Z. Stojilković	Serbia	Optimizacija ulazne struje tranzistorski regulisanih vibraciono-transportnih pogona OPTIMISATION INPUT CURRENT OF REGULATED VIBRATORY CONVEYING DRIVE
Ž. Despotović	Serbia	

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Č. Zoltan	Serbia	Harmonijska izobličenja u električnoj vuči ŽTP Doboj HARMONIC DISTORTION OF THE TRACTION RAILWAY COMPANY DOBOJ
V. Katić	Serbia	
Z. Škorić	RS, B&H	

T6

**POWER QUALITY
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T6-1.1

J. Faiz	Iran	ELECTROMAGNETIC INTERFERENCE IN PWM INVERTER: CLASSIFICATION, ANALYSIS, MODELING AND EFFECTS REDUCTION
G. Shahgholian	Iran	

T6-1.2

M. Antchev	Bulgaria	SPECIAL FEATURES IN DESIGNING SINGLE PHASE SERIES ACTIVE POWER FILTER
V. Gurgulitzov	Bulgaria	
M. Petkova	Bulgaria	

T6-1.3

M. Damnjanović	Serbia	SMD COMMON MODE CHOKE FOR EMI SUPPRESSION
Lj. Živanov	Serbia	
G. Stojanović	Serbia	

T6-1.4

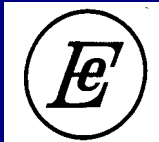
M. Simeonov	Bulgaria	RELIABILITY FUNCTIONAL RELATIONSHIP ANALYSIS ON THE POWER CIRCUIT IN INDUCTION INSTALLATION USING FAULT TREE METHOD
P. Prodanov	Bulgaria	

T6-1.5

B. Dimitrijević	Serbia	REMOTE PROVIDING TRACEABILITY OF THE POWER QUALITY METERS
M. Simić	Serbia	
D. Kovačević	Serbia	

T6-1.6

B. Grzesik	Poland	ON THE INFLUENCE OF EMC-COIL DESIGN ON ITS BROADBAND IMPEDANCE CHARACTERISTIC
R. Jez	Poland	
S. Pasko	Poland	



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T6-1.7	K. Kasaš-Lažetić M. Prša	Serbia Serbia	CALCULATION OF GROUND FAULT CURRENT DISTRIBUTION
T6-1.8	M. Kostic	Serbia	ANALYSIS OF EFFICIENCY DEVIATION WITH LOAD
T6-2.1	Ž. Despotović Z. Stojilković	Serbia Serbia	Uticaj regulisanih vibraciono-transportnih pogona na napojnu mrežu INFLUENCE REGULATED VIBRATORY CONVEYING DRIVE ON THE MAINS POWER
T6-2.2	M. Nimrihter S. Gušavac J. Lukić R. Kuljić	Serbia Serbia Serbia Serbia	Uticaj distribuiranih generatora na rizik u SN DEM, edukativni softver za potrebe cefes magistarskih studija ANALYSIS OF RELIABILITY ASPECT OF DISTRIBUTED GENERATOR APPLICATION
T6-2.3	M. Nimrihter S. Gušavac J. Lukić	Serbia Serbia Serbia	Uticaj distribuiranih protočnih elektrana na rizik napajanja potrošača edukativni softver za potrebe cefes magistarskih studija INFLUENCE OF DISTRIBUTED HYDRO POWER PLANTS ON THE RISK, EDUCATIVE SOFTWARE FOR CEFES MASTER STUDY
T6-2.4	A. Juhas M. Milutinov	Serbia Serbia	Određivanje efikasnosti smanjenja magnetskog polja ekstremno niskih frekvencija ekranom konačne širine DETERMINATION OF ELF MAGNETIC SHIELDING EFFECTIVENESS FOR FINITE WIDTH SHIELD
T6-2.5	V. Šinik	Serbia	EMC sa aspekta provere usklađenosti električnih uređaja s normama zračenja EMC IN THE ASPECT OF CHECKING THE COMPATIBILITY OF THE ELECTRICAL DEVICES WITH STANDARDS OF RADIATION

T7

**RENEWABLE ENERGY SOURCES (RES)
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T7-1.2	S. Papaefthimiou S. Papathanassiou	Greece Greece	MODELING OF A VARIABLE SPEED WIND TURBINE WITH SYNCHRONOUS GENERATOR
T7-1.3	G. Arsov	Macedonia	PARAMETRIC PSPICE MODEL OF A PEM FUEL CELL
T7-1.4	D. Stoia A. Mailat M. Cernat D. Ilea	Romania Romania Romania Romania	ENERGY CONVERSION IN LUNDELL ALTERNATOR SYSTEMS
T7-1.5	C. Blaj D. Toader M. Greconici	Romania Romania Romania	SINGLE-PHASE SHORT-CIRCUIT CURRENT DISTRIBUTION IN MICROHYDROPLANTS



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V. Litovski	Serbia	Energijska efikasnost u svetlu direktive EC 32 2005
J. Milojković	Serbia	CONSIDERATIONS ON IMPLEMENTATION OF THE DIRECTIVE EC 32 2005

T7-2.2

Ž. Janda	Serbia	Nova topologija strujnog invertora povišene efikasnosti za obnovljive izvore električne energije
P. Pejović	Serbia	NEW CURRENT SOURCE TOPOLOGY OF INCREASED EFFICIENCY FOR RENEWABLE ENERGY SOURCES
P. Ninković	Serbia	

T7-2.3

D. Mančić	Serbia	PSPICE model fotonaponskih modula
Z. Petrušić	Serbia	PSPICE MODEL OF PHOTOVOLTAIC MODULES
M. Radmanović	Serbia	

T7-2.4

J. Milojković	Serbia	Ponovna upotreba elektronskih proizvoda i projektovanje za ponovnu upotrebu
V. Litovski	Serbia	REUSE OF ELECTRONIC PRODUCTS AND DESIGN FOR REUSE

TSt

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STUDENTSKI RADOVI**

T4-1.4-S1

N. Mijatović	Serbia	COMPACT AC DRIVE COMPRISING HVIC INTEGRATED CIRCUIT AND A NEW GENERATION, 150 MIPS DSP
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