






POWER ENGINEERING 2014 | ENERGETIKA 2014

20.5.2014	10:00	13:00	Registration / Registrácia		
			Lunch / Obed		
	13:30	14:00	Opening of the Event / Otvorenie podujatia		
	14:00	18:00	Plenary Lectures / Plenárne prednášky		
	19:00		Room A		
		Welcome Party / Spoločenský večer			
21.5.2014	8:30	12:30	 EEE 2014	 OZE 2014	Special Session
			Room EEE	Room OZE	Room A
			Development of Nuclear Energy Industry (Rozvoj jadrovej energetiky)	Solar Energy/General Application of the RES (Slnečná energia/Všeobecné aplikácie OZE)	Panel Smart Grid
			Coffee Break		
			Development of Nuclear Energy Industry (Rozvoj jadrovej energetiky)	Solar Energy/General Application of the RES (Slnečná energia/Všeobecné aplikácie OZE)	Panel of Electromobility and Smart Grid
			Lunch / Obed		
	14:00	18:00	International Interdisciplinary PhD Workshop I2PhDW2014		
			Room A		
	13:00	18:00	Excursion Tour / Leisure Time Activities Exkurzia / Voľný program		
	18:00	19:00	Poster Presentation Session / Prezentácia posterov		
		Room A			
19:00		Banquet / Spoločenský večer			
22.5.2014	8:30	13:00	 EEE 2014	 OZE 2014	 CPS 2014
			Room EEE	Room OZE	Room CPS
			Economy, Ecology and Efficiency (Ekonomika, ekológia a hospodárnosť)	Biomass (Biomasa)	Control of Power Systems (Riadenie elektrizačnej sústavy)
			Coffee Break		
			Economy, Ecology and Efficiency (Ekonomika, ekológia a hospodárnosť)	General Application of the RES /Biomass (Všeobecné aplikácie OZE/Biomasa)	Control of Power Systems (Riadenie elektrizačnej sústavy)
	9:00	12:00	International Interdisciplinary PhD Workshop I2PhDW2014 - Poster Session		
		Room A			
		Lunch / Obed			

POWER ENGINEERING 2014 | ENERGETIKA 2014

		May 20, 2014	
10:00	13:00	Registration/ Registrácia	
Lunch / Obed			
13:30	14:00	Opening of the Event / Otvorenie podujatia	
PLENARY LECTURES / PLENÁRNE PREDNÁŠKY			
Chairman: František Janíček			
14:00	14:30	FINANCING OF SCIENCE RESEARCH AND DEVELOPMENT AND INTERNATIONAL COOPERATION FROM EUROPEAN STRUCTURAL AND INVESTMENT FUNDS IN THE SPHERE OF ENERGETICS IN YEARS 2014-2020 Financovanie vyskumu a vyvoja a medzinarodnej spoluprace z Europskych strukturalnych a investicnych fondov v oblasti energetiky v rokoch 2014-2020	Sipko, S. Ministerstvo školstva, vedy, výskumu a športu SR
14:30	15:00	ENERGY-ECOLOGY-ECONOMIC FROM RIS3 SK VIEW Energetika-Ekológia- Ekonomika z pohľadu RIS3 SK	Szabó, R. Ministerstvo školstva, vedy, výskumu a športu SR
15:00	15:30	Coffee Break	
15:30	16:00	RANGE OF CLIMATIC-ENERGETIC POLICY OF EU 2030 AND POSITION OF SLOVAK REPUBLIC Rámec klimaticko-energetickej politiky EÚ 2030 a pozícia Slovenskej republiky	Petrovič, J. Ministerstvo hospodárstva SR
16:00	16:30	SCHEMES OF SOLVING ENERGY POVERTY IN SLOVAK REPUBLIC'S CONDITIONS IN THE CONTEXT OF DEVELOPMENT IN EU Schémy riešenia energetickej chudoby v podmienkach Slovenskej republiky v kontexte vývoja v EÚ	Holjenčík, J. Úrad pre reguláciu sieťových odvetví
16:30	17:00	IS THE SLOVAK TRANSMISSION SYSTEM READY TO FACE FUTURE CHALLENGES? Je prenosová sústava Slovenska pripravená čeliť budúcim výzvam?	Kósa, K. SEPS, a.s.
17:00	17:30	PROTECTION AND ASSESSMENT OF ACHIEVED SCIENTIFIC RESULTS Ochrana a zhodnotenie dosiahnutých vedeckých výsledkov	Noskovič, J. Centrum vedecko-technických informácií
17:30	18:00	ORGANIC PHOTOVOLTAIC – PRINCIPLES, CURRENT SITUATION AND PERSPECTIVES Organická fotovoltaika - princípy, stav a výhľad	Schauer, F. Univerzita Tomáše Bati ve Zlíne
19:00	WELCOME PARTY		

PANEL SMART GRID

May 21, 2014

Room A

Chairmen: František Pecho, Peter Chochol

8:30	8:50	THE SMART METERING IN SLOVAKIA IS SMART GRID READY	P. Chochol
8:50	9:10	THE REAL EXPECTATIONS OF SMART GRID IN THE MEDIUM TIME	M. Michek
9:10	9:30	EXPERIENCES AND CHALLENGES IN CONNECTION WITH DEPLOYMENT OF SMART GRIDS	J. Žurowski
9:30	10:15	CONTROLLED DISCUSSION	
10:15	10:45	Coffee Break	

PANEL OF ELECTROMOBILITY AND SMART GRID

May 21, 2014

Room A

Chairmen: Patrik Križanský, Štefan Kozák

10:45	11:05	ELECTROMOBILITY AND SMART CITIES - CHANCES AND CHALLENGES FOR SLOVAKIA	P. Križanský
11:05	11:25	ELEKTROMOBILITY AND SMART CITIES FROM THE VIEW OF LARGE ENERGETICS	R. Pieger, R. Markuš
11:25	11:45	AUTOMOBILE - THE PATH FROM TECHNOLOGIES OF BICYCLE TO MECHATRONIC WORK	J. Lešínský
11:45	12:30	CONTROLLED DISCUSSION	

LUNCH

CPS 2014 May 22, 2014**CONTROL OF POWER SYSTEMS
Riadenie v energetike**

Room CPS

Chairmen: Ján Murgaš, Anton Beláň

9:00	9:20	EUROPEAN AWARENESS SYSTEM	Grega, M., Jedinák, M., Janíček, F.
9:20	9:40	TECHNICAL REQUIREMENTS TO GENERATORS	Jedinák, M., Šmidovič, R.
9:40	10:00	MANAGEMENT AND COLLECTION OF MEASURED DATA IN OKTE	Láznička, L.
10:00	10:20	USE OF EOOS RISK MONITOR FOR PREVENTIVE MAINTENANCE OPTIMIZATION FOR SLOVAK POWER	Hlaváč, P., Kovács, Z.
10:20	10:50	Coffee Break	
10:50	11:10	DECENTRALIZED GAIN-SCHEDULED PSS DESIGN ON THE BASE OF EXPERIMENTAL DATES	Ilka, A., Veselý, V.
11:10	11:30	NEW TRENDS IN DEVELOPMENT AND APPLICATIONS OF ADVANCED CONTROL METHODS IN POWER ENGINEERING	Kozák, Š.
LUNCH			

May 21, 2014

**POSTER SESSION
POSTEROVÁ SEKCIA**
Room A

CONTINGENCY ANALYSIS COMPUTED BY REPEATING POWER FLOW ANALYSIS	Vykuka, R., Noháčová, L.
CONTROLLED SWITCHING METHODOLOGY FOR REDUCING OF TRANSFORMER INRUSH CURRENTS	Heretík, P., Kováč, Beláň, A., M., Volčko, V., Koniček, M.
GAIN SCHEDULING CONTROL OF TWO TANK ENERGY STORAGE SYSTEM	Puleva, T., Rosinova, D., Slavov, Ts., Valach, P.
MODELING OF SURGE ARRESTERS DURING TEMPORARY OVERVOLTAGE CONDITIONS IN ALTERNATIVE SIMULATION TOOLS	Sitar, V., Nohac, K., Schmidt, U., Veleba, J.
OPERATION OF DISTRIBUTION TRANSFORMERS WITH ON-LOAD VOLTAGE REGULATION	Kašpírek, M., Mezera, D., Jiříčka, J.
POSSIBILITIES OF DISTRIBUTION SYSTEM MODELING AND ANALYSIS USING THE OPENDSS	Viglaš, D., Beláň, A., Cintula, B.
SIMULATIONS OF DYNAMICAL STATES OF PMSM-BASED DRIVE SYSTEM LOADED VARIABLY BY AC GENERATOR VIA LONG ELASTIC ELEMENT	Chaban, A., Lis, M., Rusek, A., Patro, M.
SOFTWARE COMPLEX FOR THE HEATING POWER STATION OPERATOR TRAINING SYSTEM	Baimatayeva, Sholpan M.
SPATIAL-TEMPORAL CALCULATIONAL ANALYSIS OF DYNAMICAL STATES OF A TWO-MOTOR ELECTROMECHANICAL SYSTEM WITH DISTRIBUTED PARAMETERS	Rusek, A., Shchur, I., Nowak, M., Patro, M., Lis, M.
THE SMART METERING IN SLOVAKIA IS SMART GRID READY	Chochol, P., Chrapčiak, I., Janiček, F., Beláň, A., Cerman, A.
UPGRADE AND APPLICATION OF AUTOMATION SYSTEM IN T.S. 110/35/10 KV "PETROVEC"	Sarac, V., Minovski, D., Cogelja, G., Smitkova, M.
VOLTAGE STABILITY ANALYSIS USING PU CURVES, SVD METHOD AND MODAL ANALYSIS	Kováč, M., Eleschová, Ž., Heretík, P., Volčko, V.

EEE 2014 May 21, 2014



DEVELOPMENT OF NUCLEAR ENERGY INDUSTRY
Rozvoj jadrovej energetiky

Room EEE

Chairman: Vladimír Kutiš

8:30	8:50	APPLICATION OF SENSITIVITY AND PERTURBATION THEORY FOR FAST REACTOR DESIGN	Lüley, J., Vrban, B., Čerba, Š., Kim, S. J., Haščík, J., Nečas, V.
8:50	9:10	PARAMETRIC STUDY OF BYPASS OF VVER 440 FUEL ASSEMBLY	Kutiš, V., Jakubec, J., Mojto, E., Murín J.
9:10	9:30	PROPOSAL OF THE RADIATION SHIELD FOR A SMALL SPACE REACTOR	Čerba, Š., Lee, H.C., Vrban, B., Lüley, J., Nečas, V.
9:30	9:50	SANOSIL C WATER MICROBIOCIDE® – ECOLOGY&ECONOMY FOR COOLING WATER SYSTEMS	Hanus, J., Hanus, M.
9:50	10:10	PRESSURE THERMAL SHOCK IN A NUCLEAR REACTOR PRESSURE VESSEL - SURVEY	Galik, G., Kutiš, V.
10:10	10:40	Coffee Break	
10:40	11:00	THE RADIATION IMPACT DURING THE MELTING OF RADIOACTIVE SCRAP METAL ARISEN FROM DECOMMISSIONING OF NUCLEAR FACILITIES	Slimák, A., Nečas, V.
11:00	11:20	STUDY OF MIXING GRID POSITIONING IN FUEL ASSEMBLY OF VVER-440	Jakubec, J., Kutiš, V., Mojto, E.
11:20	11:40	THE CONVENTIONAL CROSS SECTION ADJUSTMENT METHOD	Vrban, B., Lüley, J., Čerba, Š., Haščík, J., Nečas, V. , Kim, S. J.
11:40	12:00	AN ANALYSIS OF THE PROCESS OF DISMANTLING AND SEGMENTATION OF STEAM GENERATOR FROM THE PERSPECTIVE OF THE EXTERNAL EXPOSURE	Hornáček, M., Nečas, V.
LUNCH			
14:00	18:00	International Interdisciplinary PhD Workshop I2PhDW2014	
13:00	18:00	Tour / Leisure Time Activities Exkurzia / Voľný program	
18:00	19:00	Poster Presentation Session / Prezentácia posterov	
19:00		Banquet / Spoločenský večer	

EEE 2014 May 22, 2014



ENERGY, ECOLOGY AND EFFICIENCY Energia, ekológia a hospodárnosť

Room EEE

Chairman: Daniela Špírková

8:30	8:50	ARE CURRENT MYTHS IN ENERGY SECTOR REAL?	Janíček, F., Cerman, A., Kubica, J.
8:50	9:10	ECONOMIC ASPECT OF THE RENEWAL OF BUILDINGS AS A MAJOR FACTOR IN REDUCING ENERGY CONSUMPTION IN THE RESIDENTIAL SECTOR IN SLOVAKIA	Golej, J., Pánik, M., Špírková, D.
9:10	9:30	QUANTIFY THE ELECTRICITY LOSSES DUE UNBALANCE BY METHOD OF SYNCHRONOUS PHASORS MONITORING	Pavlov, L., Lago, J., Beláň, A.
9:30	9:50	PELTIER CELL LIKE A POWER SOURCE	Pípa, M., Kment, A. Ješko, R.
9:50	10:10	MEASUREMENT. NECESSITY? INEVITABILITY? AMBITION?	Kaluš, E., Chrapčiak, I.
10:10	10:40	Coffee Break	
10:40	11:00	ENERGY MANAGEMENT POSSIBILITIES IN EXTENDED RANGE ELECTRIC VEHICLES (EREVS)	Ribar, E., Murín, J., Mušič, G.
11:00	11:20	HYBRID VEHICLE CONTROL STRATEGIES	Matej, J., Goga, V., Murín, J.
11:20	11:40	COMPUTER NETWORKS NEW GENERATION IN THE USE OF RES	Kultán, J., Kultán, M.
11:40	12:00	AGEING DIAGNOSTICS AND LIFETIME OF CABLES AND WIRES IN ELECTRICAL POWER ENGINEERING	Lelák, J., Šály, V., Váry, M.
12:00	12:20	NUMERICAL SOLUTION OF BOUNDARY INVERSE PROBLEMS OF ELECTRICAL CONDUCTIVITY FOR 3D ORTHOTROPIC MEDIA	Brilla, I., Janíček, F.

LUNCH

EEE 2014



May 21, 2014

POSTER SESSION
POSTEROVÁ SEKCIA

Room A

UTILISATION OF LIGNITE FLY ASHES FROM POWER PLANTS	Kasprzyk, K., Kogut, K., Zboromirska-Wnukiewicz, B.
MODEL OF COMPLEX ENERGY SYSTEM OPERATION	Turygin, Yu., Abramov, I., Božek, P.
THE WAY TO DESIGN AN ENERGY PASSIVE BLOCK OF FLATS	Křesina, M., Rot, D., Jiřinec, S., Kožený, J.
QUALITY OF MANAGEMENT SYSTEMS IN THE COMPANY	Poljovka, P.
IMPACT OF SOIL PROPERTIES ON POTENTIAL DISTRIBUTION WITHIN AND OUTSIDE OF AN EARTHING GRID	Janiček, F., Cerman, A.
OMEGACAD SOFTWARE UTILIZATION FOR PROTECTIONS IN IEC 61850 STANDARD-BASED SUBSTATIONS	Shauri, D., Morva, G., Čonka, Z.
VOLTAGE DROP DURING STARTING OF ASYNCHRONOUS MOTORS	Dindoffer, E., Klopan, P., Maier, R., Urminský, M., Heretik, P., Eleschová, Ž.
UTILIZATION OF FACTS DEVICES IN SMART GRIDS	Čonka, Z., Morva, G., Shauri, D.
TESTING LABORATORY OF SOLAR SYSTEMS AT INSTITUTE OF POWER AND APPLIED ELECTRICAL ENGINEERING	Kment, A., Pípa, M., Arnold, P., Janíček, F.
ANALYSIS OF AC DRIVES USED IN ELECTRICAL VEHICLES	Uhrík, M.
ELECTRO-THERMAL ANALYSIS OF OVERHEAD AIFe POWER LINE USING FEM	Goga, V., Paulech, J., Váry, M., Murín, J., Janíček, F., Gogola, R.
EXPERIMENTAL AND COMPUTATIONAL ESTIMATION OF UNDERGROUND PE INSULATED IDENTIFICATION CABLE CRITICAL STRAY CURRENTS LOADING	Lelák, J., Váry, M., Pačka, J.
THE EFFECTS OF THE GEOMETRY OF THE ELECTRODES ON THE IMPULSE CHARACTERISTICS OF THE PILE OF VARISTORS WITH MODIFIED SIDE SURFACE	Kogut, K., Kasprzyk, K., Zboromirska – Wnukiewicz, B.
MECHANICAL STRENGTH AND ELECTRICAL TESTS OF SELECTED ACSR CABLES	Kment, A., Pípa, M., Arnold, P., Janíček, F.
IMPLEMENTATION OF STRUCTURAL PROJECT FOR STU	Poljovka, P.
POTENTIAL OF SMART MATERIALS AND THEIR APPLICATIONS	Drahoš, P.
SIMULATION OF COOLING PROCESS OF INSULATED ELECTRIC CONDUCTOR USING CFD	Goga, V., Paulech, J., Váry, M.

OZE 2014 May 21, 2014



Solar Energy / General Application of the RES Slnčná energia / Všeobecné aplikácie OZE

Room OZE

Chairmen: Cirák, J., Šály, V.

8:30	9:00	RADIATION HARDNESS OF SOLAR CELLS WITH A HETEROJUNCTION OF AMORPHOUS AND CRYSTALLINE SILICON	Harmatha, Mikolášek, Nemec, Hrubcín, Skuratov
9:00	9:30	KIC INNOENERGY: THE LEADING ENGINE FOR INNOVATION AND ENTREPRENEURSHIP IN SUSTAINABLE ENERGY	Balinow
9:30	9:50	PROPERTIES OF SELF-ORGANIZED BINARY 2D MOLECULAR SYSTEMS PERSPECTIVE FOR ORGANIC SOLAR CELLS	Váry, T., Bombarová, Cirák, Čík
9:50	10:20	Coffee Break	

Solar Energy / General Application of the RES Slnčná energia / Všeobecné aplikácie OZE

Chairmen: Cirák, J., Šály, V.

10:20	10:50	PERFORMANCE AND TESTING OF PV ROOF RES SYSTEM	Šály, Váry, M., Packa, Firický, Perný
10:50	11:10	CONNECTION OF DISTRIBUTED RESOURCES TO THE DISTRIBUTION SYSTEM AND THEIR IMPACT ON THE POWER SYSTEM	Koniček, Beláň, Heretik, Volčko
11:10	11:30	NOVEL PERSPECTIVES FOR MEMBRANE SEPARATORS FOR RECHARGEABLE LITHIUM-ION BATTERIES	Pléha, Musil
11:30	11:50	THE RESEARCH ACTIVITIES ON THIN LAYERS OF a-SiC FOR PV APPLICATIONS	Perný, Šály, Ďurman, Mikolášek, Váry, M.
11:50	12:10	SERPENTE - PRESENTATION OF THE BEST EXPERIENCES OBTAINED WITHIN PROJECT SERPENTE	Janiček, F., Telek, P., Skoršepová T., Smitková M., Kubica J.

LUNCH

14:00	18:00	International Interdisciplinary PhD Workshop I2PhDW2014	
13:00	18:00	Tour / Leisure Time Activities Exkurzia / Voľný program	
18:00	19:00	Poster Presentation Session / Prezentácia posterov	
19:00		Banquet / Spoločenský večer	

OZE 2014 May 22, 2014



Biomass Biomasa

Room OZE

Chairmen: Gaduš, J., Šurina, I.

8:30	9:00	VERIFICATION OF BIOGAS CLEANING EFFECT USING PHYSICO-CHEMICAL METHODS	Gaduš, Fodora, Pohuba
9:00	9:20	EQUIPMENT FOR AUTOTHERMAL REFORMING OF LIQUID BIOMASS IN SUPERCRITICAL WATER	Gajdoš, Varchola
9:20	9:40	THE APPROACH THE ISOLATION OF LIGNINS AND ITS CHARACTERIZATION	Jablonský, Kočíš, Ház, Sládková, Šurina
9:40	10:00	DEGRADATION OF LIGNIN VIA FENTON REACTION	Hrdlička, Škulcová, Ház
10:00	10:30	Coffee Break	

General Application of the RES / Biomass Všeobecné aplikácie OZE / Biomasa

Chairmen: Hüttner, L., Murín, J.

10:30	11:00	RENEWABLE ENERGY VERSUS IMPACT ON THE ENVIRONMENT ISSUES	Prajová, Pivarčiová, Božek
11:00	11:20	COMPOUNDS WITH ADDED VALUE FROM WASTE BLACK LIQUOR	Sládková, Ház, Vrška, Jablonský, Katusčák, Šurina
11:20	11:40	CONVERSION OF LIGNIN TO LIQUID COMPOUNDS	Kalabová, Šutý, Lauko, Jablonský, Ház, Sládková, Šurina
11:40	12:00	CONCEPT AND ECONOMIC EFFICIENCY ANALYSIS FOR THE ALTERNATIVE ENERGY SUPPLY AT THE EXAMPLE OF A REFERENCE BUILDING	Ferati, Janíček, Cerman

LUNCH

OZE 2014



May 21, 2014

POSTER SESSION POSTEROVÁ SEKCIA

Room A

CO-COMBUSTION COAL AND BIOMASS IN OXY-FUEL ATMOSPHERE	Moroň, W.
SMART METERING – THE MEANING OF POPULAR WORDS	Volčko, V., Beláň, A., Heretik, P., Kováč, M. Koniček, M.
PV IMPACT ASSESSMENT ON THE DISTRIBUTION SYSTEM	Viglaš, D., Beláň, A.
SOURCES OF REACTIVE POWER AND ITS COMPENSATION IN PHOTOVOLTAIC POWER	Koniček, M., Beláň, A., Heretik, P.
WORLDWIDE ENERGY DEMANDS	Smitková, M., Martins, F.
RENEWABLE SOURCES IN EDUCATION	Janiček, F., Szabová, M., Smitková, M.
REPORT ON PV EFFICIENCY AND PRODUCERS	Skoršepová, T., Firický, E., Váry, M.
THERMOELECTRIC PROPERTIES OF COPPER SULFIDE SUBSTITUTED BY LITHIUM	Kuterbekov K.A., Nurakhmetov T.N., Baitassov T.M., Nogay A.S., Kuterbekov M.K., Balapanov M.Kh., Ishembetov R.Kh., Gafurov I.G.
PROJECT OF STRUCTURAL FOUND - NATIONAL CENTRE FOR RESEARCH AND APPLICATION OF RENEWABLE ENERGY SOURCES	Smitková, M., Janiček, F.
INTERFACIAL PROCESSES IN TPU FOILS FOR PHOTOVOLTAIC CELLS	Đurman, V., Perný, M., Šály, V.
UTILIZATION OF SIMULATION METHOD IN INVESTIGATION OF SHORT-CURRENT INTERRUPTION	Hüttner, L.
SAFETY ASPECTS OF PV RES OPERATION	Kopča M., Váry M.
PROTECTION AGAINST SURGE IN PHOTOVOLTAIC POWER PLANTS	Kertész I., Hüttner L.
PHOTOVOLTAIC POWER PLANTS AND SECONDARY CONTROL OF FREQUENCY AND VOLTAGE	Rakova, L., Dvorsky, E.
ANALYSIS OF RENEWABLE ENERGY PROGRESS IN EUROPEAN UNION	Martins, F., Smitkova, M.
CONCEPT OF DISTRIBUTED GENERATION	Cintula, B., Koniček, M., Beláň, A.
BENEFITS OF SOLID RECOVERY FUEL IMPLEMENTATION FOR ENERGY UTILIZATION PURPOSES	Jovanović, M., Turanjanin, V., Spasojević, V., Škobalj, P., Vučićević, B.
CONTRIBUTION OF PHOTOVOLTAIC FOR ENERGY BALANCE OF BUILDINGS	Budiaková, M.
RES EFFICIENCY INDICATORS FOR PORTUGAL, SLOVAKIA AND CZECH REPUBLIC	Martins F., Felgueiras, C., Smitková, M.
DEVICES OF LABORATORY OF NATIONAL CENTRE FOR RESEARCH AND APPLICATIONS OF RENEWABLE ENERGY SOURCES	Pípa, M., Kment, A., Janiček, F.
PHOTOVOLTAIC POWER PLANT AT INSTITUTE OF POWER AND APPLIED ELECTRICAL ENGINEERING	Kment, A., Pípa, M., Arnold, P., Janiček, F.
WIND POWER PLANT - BOGDNACI AND ITS IMPACT ON THE PRICE OF ELECTRICAL ENERGY IN MACEDONIA	Dragan, M., Sarac, V., Bozinovski G.
RADIO FREQUENCY INTERFERENCE ISSUES OF MODERNIZED ELEVATOR INDUCTION MOTOR DRIVES	Kujan, V., Janiček, F.
JORDAN RENEWABLE ENERGY POTENTIAL	Janiček, F., Adaileh, A., Cerman, A.
IMPACT OF NEW MODEL FOR PREFERENTIAL PRICES FOR SHPP IN REPUBLIC OF MACEDONIA	Cogelja, G., Sarac, V.
TEMPERATURE DEPENDENT BATTERY MODEL FOR LITHIUM-ION BATTERY SYSTEM IN ELECTRIC VEHICLE	Bugár, M., Madarás, J., Ferencey, F.
PEM FUEL-CELL OPERATION ANALYSIS	Bugár, M., Madarás, J., Ferencey, F.
APPLICATIONS OF SUPERCONDUCTING SQUID SENSORS	Motyčák, Š., Perný, M.