

Obsah:

Seznam příspěvků

THE DRIVING OF LIGHTING OF SUBSTATION IN MODELING REALIZATION WITH PLC	1
<i>(JAN OTÝPKA, TOMÁŠ MLČÁK, VÍTĚZSLAV STÝSKALA, IVO ULLMAN)</i>	
RESEARCH OF PARTIAL DISCHARGE IN THE LABORATORY CONSTRUCTE.....	5
<i>(ŠTEFAN HAMACEK, MIKOŁAJ BARTŁOMIEJCZYK, STANISLAV MIŠÁK, VÍTĚZSLAV STÝSKALA, ROMAN HRBÁČ)</i>	
SOFTWARE DRIVERS FOR PHOTOVOLTAIC POWER STATION.....	9
<i>(ZDENĚK SLANINA, PETR DRÁBEK)</i>	
CALCULATION OF STARTING TRACTIVE EFFORT FOR A LOCOMOTIVE.....	15
<i>(MAROŠ ĎURICA)</i>	
CONTROL AND APPRECIATION OF BIG AND OVER BIG INTEGRATED CIRCUIT AND RADIO TECHNICAL SYSTEMS WITHOUT A HITCH.....	19
<i>(ARTEM GANIYEV, STANISLAV HEJDUK, LUKÁŠ HÁJEK)</i>	
A CONCEPT OF A HYBRID WDM/TDM TOPOLOGY USING THE FABRY-PEROT LASER IN THE OPTI WAVE SIMULATION ENVIROMENT.....	25
<i>(RADEK POBOŘIL, JAN LÁTAL, LUKÁŠ HÁJEK, VLADIMÍR VAŠINEK)</i>	
THE OBSTACLES SENSORS FOR MOBILE ROBOT DESIGNED INTO THE MAZE.....	33
<i>(TOMÁŠ DOČEKAL, KRISTÝNA FRIEDRISCHKOVÁ)</i>	
LONG BATTERY TESTING	39
<i>(JIRÍ KAZÁRIK, ZDENĚK SLANINA)</i>	
CHARGER OF ACCUMULATOR LOCOMOTIVE.....	43
<i>(VOJTĚCH KALAS, PETR CHLEBIŠ)</i>	

RFID EXPERT DATABASE.....	47
<i>(LUCIE ŠVEC OVÁ)</i>	
THE OPPORTUNITY FOR THE DEVELOPMENT OF TROLLEYBUS TRANSPORT WITH THE SUPPORT OF EUROPEAN UNION FOUNDS.....	51
<i>(MIKOŁAJ BARTŁOMIEJCZYK, ŠTEFAN HAMACEK, MARCIN POŁOM)</i>	
OPTIMIZATION AND MODELING CHARACTERISTICS OF OXYGEN SENSOR.....	55
<i>(LUBOMÍR OSTRICA, MIROSLAV GUTTEN)</i>	
NATURAL FLOW PATTERNS.....	59
<i>(JIRÍ PLAČEK)</i>	
REPAIR AND MAINTENANCE OF TRANSFORMERS.....	65
<i>(RICHARD JANURA, MIROSLAV GUTTEN)</i>	
COMPENSATION OF FDS MEASUREMENTS FOR TRANSFORMER INSULATION DIAGNOSTICS	69
<i>(JOZEF JURČÍK)</i>	
ANALYSIS OF SELECTED PARAMETERS OF INDUCTION MOTORS.....	73
<i>(STANISLAV KOCMAN, PETR ORSÁG, TOMÁŠ HRUBÝ)</i>	
MODELING OF MULTICONDUCTOR LINES USING THE TRANSMISSION-LINE THEORY	79
<i>(LUBOMÍR IVÁNEK, PHANTHI THANH THAO, LUKÁŠ WEŽRANOWSKI)</i>	
DETERMINATION OF EQUIVALENT NETWORK PARAMETERS BY MEANS OF HARMONIC DISTORTION MEASUREMEN.....	83
<i>(PETR ORSÁG, STANISLAV KOCMAN, TOMÁŠ HRUBÝ)</i>	

DIAGNOSTICS OF IGNITION SYSTEMS	87
<i>(LUBOMÍR OSTRICA)</i>	
OPTIMIZATION PROCESS OF SYNCHRONOUS MACHINE WITH PERMANENT MAGNETS FOR WIND POWER.....	93
<i>(LADISLAV SLÍVA)</i>	
NEW CERAMIC COMPOSITES (Si_3N_4 AND MgSiN_2) AND THEIR PREPARATION AND MECHANICAL PROPERTIES	97
<i>(VLADANA ŠAMAJOVÁ, ZOLTÁN LENCÉŠ, ZDENĚK JONŠTA)</i>	
HYBRID PHOTOVOLTAIC PANEL WITH AUTOMATIC COOLING.....	101
<i>(KRISTÝNA FRIEDRISCHKOVÁ)</i>	
RESULTS OF LED TUBES MEASUREMENTS.....	107
<i>(ZBYNĚK CARBOL, TOMÁŠ NOVÁK, KAREL SOKANSKÝ)</i>	
THE ERROR RATE MEASUREMENT IN PON NETWORK.....	111
<i>(LUKÁŠ BEDNÁREK)</i>	
NORMY VE VEŘEJNÉM OSVĚTLENÍ Z POHLEDU PRÁVA.....	117
<i>(PETRA NOVÁKOVÁ, TOMÁŠ SEQUENS, RICHARD HAMRAN)</i>	
ANALYSIS OF THE ELECTRIC CURRENT OF THE MOTOR SUPPLIED BY THE FREQUENCY DRIVE.....	121
<i>(PAVEL SOBOTA, STANISLAV RUSNOK, PAVEL SVOBODA, STANISLAV ZAJACZEK)</i>	
SOFTWARE APPLICATION FOR CALCULATION OF ATTENUATION BALANCE IN ACCESS PASSIVE OPTICAL NETWORK.....	127
<i>(LUKÁŠ HÁJEK, JAN LÁTAL, RADEK POBOŘIL)</i>	

CALCULATION OF ENERGY SAVINGS IN ARTIFICIAL LIGHTING USING DAYLIGHT-BASED DIMMING.....133

(ŠUMPICH JAN, CARBOL ZBYNĚK, NOVÁK TOMÁŠ, CHMELÍKOVÁ KAROLÍNA)

EMBEDDED SENSORS SYSTEM FOR REAL TIME BIOMEDICAL DATA ACQUISITION AND ANALYSIS.....137

(DAVID VALA, TEREZA KOCICHOVÁ)

VISUALIZATION OF DATA TELEMETRY CREW IN A GEOGRAPHIC CONTEXT.....141

(PAVLÍNA NÚDZIKOVÁ)

NCS BASED REGULATION FOR BALL ON AN INCLINED PLANE.....147

(ZDENĚK SLANINA, VÍT OTEVŘEL, JIŘÍ KAZÁRIK, MICHAEL DOJCSAN)

SIGNAL MODELS OF TWO-PORTS.....153

(JITKA MOHYLOVÁ, JOSEF PUNČOCHÁŘ)

NEVYVÁHA ČERPADLA ZPŮSOBENÁ ELEKTROMAGNETICKÝM POLEM ELEKTROMOTORU.....159

(MEČISLAV HUDECZEK)

TESTING OF SUITABLE SENSOR FOR AUTOMATIC LIGHTING CONTROL LIGHTING SYSTÉM.....167

(VÁCLAV KOLÁŘ, ROMAN HRBÁČ, TOMÁŠ NOVÁK)