

PES 2015 FULL SCHEDULE

Monday, August 31st

09⁰⁰ – 10⁰⁰, **REGISTRATION**

10⁰⁰ – 11⁰⁰, **OPENING CEREMONY**

ORAL SESSION 1	
11 ⁰⁰ – 11 ³⁰	Invited lecture SUPERCONDUCTIVE MIXED-SIGNAL CIRCUITS FOR ENHANCING PERFORMANCE OF SENSORS AND DETECTORS Hannes TOEPFER
11 ³⁰ – 11 ⁴⁵	WIRELESS SENSOR SOLUTION FOR TRAFFIC MONITORING Elena CHERVAKOVA, Marco GOETZE, Tino HUTSCHENREUTHER, Hannes TOEPFER, Bojana NIKOLIĆ and Bojan DIMITRIJEVIĆ
11 ⁴⁵ – 12 ⁰⁰	ANALYSIS OF MAGNETOELECTRIC SENSOR COMPOSITES BY NOMOGRAPH METHOD Mirza BICHURIN, Vladimir PETROV, Roman PETROV, Alexander TATARENKO and Viktor LEONTIEV
12 ⁰⁰ – 12 ¹⁵	MAGNETOELECTRIC ENERGY SOURCE Mirza BICHURIN, Nikolay KOLESNIKOV, Roman PETROV, Slavoljub ALEKSIĆ
12 ¹⁵ – 12 ³⁰	STUDY ON ELLIPTICALLY POLARIZED MAGNETIC FIELD GENERATED BY TWO ORTHOGONAL HELMHOLTZ COILS Miodrag MILUTINOV, Igor SREĆKOVIĆ, Anamarija JUHAS and Neda PEKARIĆ-NAĐ
12 ³⁰ – 12 ⁴⁵	ANALYSIS OF COIL SYSTEMS FOR HOMOGENEOUS MAGNETIC FIELD GENERATION Miroslav STANOJEVIĆ and Miroslav PRŠA
12 ⁴⁵ – 14 ⁰⁰	LUNCH
14 ⁰⁰ – 16 ⁰⁰	Visiting “EI Kvalitet” (meeting in front of the Electronic Faculty at 14 ⁰⁰)
16 ⁰⁰ – 19 ⁰⁰	PhD Seminar CEMBEF 2015 at the Faculty of Occupational Safety
19 ⁰⁰	Cocktail at the Faculty of Occupational Safety

Tuesday, September 01st

ORAL SESSION 2	
08 ⁰⁰ – 09 ⁰⁰	Registration
09 ⁰⁰ – 09 ³⁰	Invited lecture FORWARD AND INVERSE CONTINUOUS NUMERICAL FOURIER TRANSFORM FOR TRANSIENT ANALYSIS OF ELECTROMAGNETIC PHENOMENA Slavko VUJEVIĆ and Dino LOVRIĆ
09 ³⁰ – 09 ⁴⁵	TRANSIENT ANALYSIS OF A NON-UNIFORM MULTICONDUCTOR TRANSMISSION LINE Rino LUCIĆ, Ivica JURIĆ-GRGIĆ and Alen BERNADIĆ
09 ⁴⁵ – 10 ⁰⁰	HARMONIC ANALYSIS OF INDUCED SIGNAL IN MAGNETISATION PROCESS OF TOROIDAL FERROMAGNETIC CORE Branko KOPRIVICA, Ioan DUMITRU, Alenka MILOVANOVIC and Ovidiu CALTUN
10 ⁰⁰ – 10 ¹⁵	SIMPLE MODELING OF ROTOR SKEW IN INDUCTION MACHINES USING 2-D FEM PACKAGES Hossein EHYA Sadegh SHAMLOU and Jawad FAIZ
10 ¹⁵ – 10 ³⁰	SOME EXPERIENCES IN AN INITIAL MAGNETIZATION CURVE MEASUREMENT Karolina KASAŠ-LAŽETIĆ, Dejana HERCEG, Aleksandar POZNIĆ, Ivan ŽUPUNSKI and Miroslav PRŠA
10 ³⁰ – 10 ⁴⁵	FEM – ANALYSIS OF CURRENT DISPLACEMENT PHENOMENA IN SLOT EMBEDDED SOLID CONDUCTOR Marian GRECONICI, Gheorghe MADESCU, Marius BIRIESCU, Martian MOT
10 ⁴⁵ – 11 ⁰⁵	Coffee break
ORAL SESSION 3	
11 ⁰⁵ – 11 ³⁵	Invited lecture: FUNCTIONAL SAFETY AND EMC: ARE THEY CONSISTENT? Elya JOFFE
11 ³⁵ – 12 ⁰⁵	Invited lecture: WHAT IS EMC AND WHY SHOULD I CARE? Elya JOFFE
12 ⁰⁵ – 12 ²⁰	ANALYSIS OF TRANSIENT PLANE WAVE COUPLING TO HORIZONTAL CONDUCTOR IN HOMOGENEOUS LOSSY SOIL Vesna ARNAUTOVSKI-TOŠEVA, Leonid GRČEV and Marija KACARSKA
12 ²⁰ – 12 ³⁵	HOSTING CAPACITY OF LV NETWORKS FOR MICROGENERATORS Snezana CUNDEVA, Math BOLLEN
12 ³⁵ – 12 ⁵⁰	FEM AIDED COMPUTATION OF PERFORMANCE CHARACTERISTICS OF SINGLE PHASE MOTORS Vasilija SARAC, Goce STEFANOV and Goran COGELJA
12 ⁵⁰ – 14 ¹⁵	LUNCH
POSTER SESSION	
14 ¹⁵ – 15 ³⁰	ON THE NUMERICAL COMPUTATION OF CYLINDRICAL CONDUCTOR INTERNAL IMPEDANCE FOR COMPLEX ARGUMENTS OF LARGE MAGNITUDE Slavko VUJEVIĆ and Dino LOVRIĆ
	ADVANCED DOUBLE 2D NUMERICAL INTEGRATION IN SURFACE CHARGE SIMULATION METHOD Slavko VUJEVIĆ and Tonči MODRIĆ
	CALCULATING THE IMPEDANCE OF GROUNDING ELECTRODES USING CIRCUIT EQUIVALENTS Andrijana KUCHAR and Leonid GRCEV
	THERMAL DIAGNOSTICS OF A LV SWITCHBOARD WITH THERMOVISION CAMERA Ivan HADZHIEV, Dian MALAMOV, Ivan YATCHEV, Dimitar KARASTOYANOV, Nikolay STOIMENOV and Stanislav GYOSHEV
	MAGNETIC FIELD MODELING OF A ROTATIONAL POSITION SENSOR Ivan KOSTOV, Stefcho GUNINSKI and Ilona IATCHEVA
	SLIDING MODE CONTROL FOR ISLAND WATER PUMP DIRECTLY FED BY RENEWABLE ENERGY SOURCE Sergey RYVKIN and Miroslav CHOMAT
	FDTD SIMULATION IN WIRELESS SENSOR ANTENNA APPLICATION Bojan DIMITRIJEVIĆ, Bojana NIKOLIĆ, Slavoljub ALEKSIĆ, Nebojša RAIČEVIĆ, Hannes TOEPFER, Elena CHERVAKOVA, Tino HUTSCHENREUTHER

GLASS-TOUCH KEYBOARD FOR OUTDOOR APPLICATIONS BASED ON CAPACITIVE SENSORS Ljubomir VRAČAR, Aneta PRIJIĆ, Zoran PRIJIĆ
FLASH DENSITY REGIONAL MAPS OF SERBIA Vesna JAVOR, Hans-Dieter BETZ, Leonid STOIMENOV, Nikola DINKIĆ, Nikola DŽAKOVIĆ
EVOLUTION OF THE CORONA OF ENVELOPE IN THE PRESENCE TRANSITION CHARGE ALONG LIGHTNING CHANNEL CORE Milica TAUŠANOVIĆ, Jovan CVETIĆ, Milan IGNJATOVIĆ, Dragan PAVLOVIĆ, Nikola MIJAJLOVIĆ
TRANSITION LINE CHARGE DISTRIBUTION ALONG THE LIGHTNING CHANNEL CORE DURING RETURN STROKE Milan IGNJATOVIĆ, Jovan CVETIĆ, Fridolin HEIDLER, Dragan PAVLOVIĆ, Nikola MIJAJLOVIĆ
CURRENT DISTORTION OF NONLINEAR INDOOR LIGHTING SOURCES AT DIFFERENT SUPPLY VOLTAGES Lidija KORUNOVIĆ, Ivan ANASTASIJEVIĆ and Milutin PETRONIJEVIĆ
COMPARISON OF DIFFERENT MODELS FOR DETERMINING THE GROUNDING ROD RESISTANCE Nenad N. CVETKOVIĆ, Dejan B. JOVANOVIĆ, Aleksa T. RISTIĆ and Dejan D. KRSTIĆ
MAGNETIZATION VECTOR MISALIGNMENT INFLUENCE ON MAGNETIC FORCE OF PERMANENT MAGNET CONFIGURATION Ana VUČKOVIĆ, Nebojša RAIČEVIĆ and Slavoljub ALEKSIĆ
NEAR PERFECT RECONSTRUCTION TWO-CHANNEL IIR QMF BANK WITH IIR GROUP DELAY COMPENSATION FILTERS, Dragana ŽIVALJEVIĆ, Nikola STOJANOVIĆ and Negovan STAMENKOVIĆ
MINIATURIZATION OF WAVEGUIDE BANDSTOP FILTER Marija MRVIĆ, Milka POTREBIĆ, Dejan TOŠIĆ and Zlata CVETKOVIĆ
CIRCUIT MODEL OF MICROWAVE DUAL-BAND BANDPASS FILTER Ana M. PLAZINIĆ, Milka M. POTREBIĆ, Dejan V. TOŠIĆ
AN EXPERIMENTAL HARDWARE SOLUTION FOR DIGITAL STOCHASTIC MEASUREMENT OF BIOMEDICAL SIGNALS Jelena DJORDJEVIC-KOZAROV, Dejan MITIC, Vladimir VUJICIC, Dragan RADENKOVIC and Platon SOVILJ
PASSIVE ELECTRICAL CIRCUIT FOR CONTROLLED STATIC ELECTRICITY PUMPING Mićo GAČANOVIĆ
FIRST ORDER PERFORMANCE METRICS OF DUAL SC SYSTEM WITH DESIRED SIGNAL DECISION ALGORITHM OPERATING OVER CORRELATED WEIBULL FADING Aleksandra PANAJOTOVIĆ and Dragan DRAČA
PACKET ERROR RATE OF DECODE-AND-FORWARD COOPERATIVE WIRELESS NETWORKS OVER COMPOSITE FADING CHANNELS Nemanja ZDRAVKOVIĆ
SECOND ORDER STATISTICS ANALYSIS OF SWITCH AND STAY COMBINER AFFECTED BY WEIBULL FADING Petar NIKOLIĆ, Dragana KRSTIĆ, Suad SULJOVIĆ, Ivan DJURIĆ and Ivana DINIĆ
LINEAR SPLINE FUNCTIONS BASED ANALYSIS OF WIRELESS CHANNELS TRANSMISSION SUBJECTED TO MULTIPATH FADING Aleksandar MARKOVIĆ, Zoran PERIĆ, Stefan PANIĆ and Petar SPALEVIĆ
LEVEL CROSSING RATE OF PRODUCT OF TWO WEIBULL RANDOM VARIABLES Darko VUČKOVIĆ, Aleksandar MARKOVIĆ, Ivana DIMIĆ, Ivan ĐURIĆ and Suad SULJEVIĆ
CONTROLLING THE ROBOTIC ARM USING HUMAN MACHINE INTERFACE AND PLC MODICON M340 Siniša G. MINIĆ, and Miloš VORKAPIĆ
LEVEL CROSSING RATE OF RATIO OF PRODUCT TWO K-M RANDOM VARIABLES AND K-M RANDOM VARIABLE EVALUATED BY LAPLACE APPROXIMATION FORMULA Srboľjub ZDRAVKOVIĆ, Danijela ALEKSIĆ, Ivica MARJANOVIĆ, Goran PETKOVIĆ, Danijel ĐOŠIĆ and Predrag MILAČIĆ
OUTAGE PROBABILITY OF MACRODIVERSITY WITH TWO MICRODIVERSITY OVER GAMMA SHADOWED WEIBULL FADING CHANNEL Srboľjub ZDRAVKOVIĆ, Danijel ĐOŠIĆ, Goran PETKOVIĆ, Ivica MARJANOVIĆ, Predrag MILAČIĆ and Danijela ALEKSIĆ

ORAL SESSION 4	
15 ³⁰ – 16 ⁰⁰	Invited lecture: RESONANT POWER CONVERTERS IN ELECTROMAGNETIC ENERGY TRANSFER Stanimir VALTCHEV
16 ⁰⁰ – 16 ¹⁵	MODELING AND POSSIBILITIES FOR OPTIMAL CONTROL OF THE PROCESSES IN A SMALL-SCALE RESISTIVE ELECTRIC FURNACE FOR GLASS MELTING Nadejda TZVETKOVA and Iлона IATCHEVA
16 ¹⁵ – 16 ³⁰	AN EXAMINATION OF THE MULTI-PEAKED ANALYTICALLY EXTENDED FUNCTION FOR APPROXIMATION OF LIGHTNING CHANNEL-BASE CURRENTS Karl LUNDENGÅRD, Milica RANČIĆ, Vesna JAVOR and Sergei SILVESTROV
16 ³⁰ – 16 ⁴⁵	OPTIMAL PROBE DESIGN FOR LORENTZ FORCE EDDY CURRENT TESTING Konstantin WEISE, Reinhard SCHMIDT, Marek ZIOLKOWSKI, Matthias CARLSTEDT, Hartmut BRAUER, and Hannes TOEPFER
16 ⁴⁵ – 17 ⁰⁰	CURRENT DEVELOPMENTS IN THE IMMUNITY STANDARDS OF THE IEC 61000 SERIES Bernd W. JAEKEL
17 ⁰⁰ – 17 ¹⁵	HBEM ANALYSIS OF SHIELDED SYMMETRICAL COUPLED MICROSTRIP LINES Mirjana T. PERIĆ, Saša S. ILIĆ and Slavoljub R. ALEKSIĆ
17 ¹⁵ – 17 ³⁰	Coffee break

ORAL SESSION 5	
17 ³⁰ – 17 ⁴⁵	SIMULATION OF THE THREE-PHASE ROTATING MAGNETIC FIELD AND INDUCTION ENGINE Vladan VUČKOVIĆ
17 ⁴⁵ – 18 ⁰⁰	OPTIMIZATION OF FIELD DISTRIBUTION Rumena STANCHEVA and Ilonka LILYANOVA
18 ⁰⁰ – 18 ¹⁵	ANALYTICAL INVESTIGATION OF EDDY CURRENT FIELD DUE TO THE AXISYMMETRICAL CURRENT EXCITER, Ilonka LILYANOVA
18 ¹⁵ – 18 ³⁰	RESEARCHING THE SIGNALS OF THE AUTOMOBILE ELECTROMAGNETIC SENSORS Slavcho BOZHKOVA, Ivan MILENOV, Danail DANCHEV, Dimitar TOKMAKOV and Penko BOZHKOVA
18 ³⁰ – 18 ⁴⁵	RESEARCHING THE PERFORMANCE OF THE AUTOMOBILE ELECTROMAGNETIC ACTUATORS Slavcho BOZHKOVA, Ivan MILENOV, Atanas GOZMANOV, Gergana STANEVA and Penko BOZHKOVA
18 ⁴⁵ – 19 ⁰⁰	GROUNDING SYSTEM IMPEDANCE MEASUREMENT - CASE STUDY Vojin KOSTIĆ, Nebojša RAIČEVIĆ, Jovan MRVIĆ and Slavica REBRIĆ

20⁰⁰ CONFERENCE DINNER

Wednesday, September 02nd

Excursion (Visiting monastery St. Roman, monastery St. Petka and Spa Ribarska banja)