

IEEC 2023 FULL SCHEDULE

Monday , August 28th

09⁰⁰ – 10⁰⁰ **REGISTRATION**

10⁰⁰ – 10³⁰ **OPENING CEREMONY**

10³⁰ – 11⁰⁰ Coffee break

ORAL SESSION 1 – Computation of electromagnetic fields

11 ⁰⁰ – 11 ³⁰	O1-1	DESIGN OF LOW-SPEED PM GENERATORS USING FEM Marian GRECONICI - Invited lecture
11 ³⁰ – 11 ⁴⁵	O1-2	EFFICIENT 2D FINITE ELEMENT MODELS OF MULTI-LEVEL LITZ WIRES, AND THE COILS MADE THEREOF Szabolcs GYIMÓTHY and Sándor BILICZ
11 ⁴⁵ – 12 ⁰⁰	O1-3	THE INFLUENCE OF UNBALANCED CURRENT IN BUS BARS ON MAGNETIC FIELD DISTRIBUTION Miodrag MILUTINOV, Karolina KASAŠ-LAŽETIĆ, Teodora SPASIĆ and Miroslav PRŠA
12 ⁰⁰ – 12 ¹⁵	O1-4	ANALYSIS OF ABSORBED COMPONENT OF INSTANTANEOUS MAGNETISING POWER FOR FERRITE TOROIDAL CORE Srđan DIVAC, Dejan JANJIĆ, Branko KOPRIVICA and Alenka MILOVANOVIĆ

12¹⁵ – 12³⁰ Coffee break

ORAL SESSION 2 – EM circuits & systems / Coupled field problems: electromagnetic, thermal, mechanical fields

12 ³⁰ – 12 ⁴⁵	O2-1	INVESTIGATION OF THE MUTUAL COUPLING IN A SUPERCONDUCTING METAMATERIAL STRUCTURE AT RADIOFREQUENCIES Melanie SCHIEMER, Thomas REUM and Hannes TOEPFER
12 ⁴⁵ – 13 ⁰⁰	O2-2	CURRENT DISTRIBUTION IN AN INHOMOGENEOUS MASSIVE HOLLOW CONDUCTOR INFLUENCED BY A FILAMENT Dragan FILIPOVIĆ and Tatijana DLABAČ
13 ⁰⁰ – 13 ¹⁵	O2-3	IMPACT OF LOW MAGNETIC FIELD ON NBT STRESSED P-CHANNEL POWER VDMOSFETS Nikola MITROVIĆ, Sandra VELJKOVIĆ and Danijel DANKOVIĆ
13 ¹⁵ – 13 ³⁰	O2-4	APPLICABILITY OF TRANSMISSION LINE-BASED WAVE DIGITAL MODELLING FRAMEWORK Biljana STOŠIĆ

13⁴⁵ – 15⁰⁰ Lunch

ORAL SESSION 3 – EMC problems / Bioeffects of electromagnetic fields

15 ⁰⁰ – 15 ¹⁵	O3-1	CHALLENGES ON DERIVATION OF HIGH-FREQUENCY RADIATION LIMITS FOR POWER DRIVE SYSTEMS Bernd W. JAEKEL and Ana VUČKOVIĆ
15 ¹⁵ – 15 ³⁰	O3-2	COMPUTATION OF CURRENT DENSITIES IN SPHEROIDAL HUMAN MODEL ORIGINATING FROM ELECTROMAGNETIC FIELDS EXPOSURE NEAR TRANSMISSION LINES Bojan GLUSHICA, Andrijana KUHAR and Vesna ARNAUTOVSKI TOSEVA
15 ³⁰ – 15 ⁴⁵	O3-3	ELECTROMAGNETIC RADIATION EXPOSURE INDICATORS OF POPULATION FROM WIRELESS COMMUNICATION Dejan KRSTIĆ, Uglješa JOVANOVIĆ, Darko ZIGAR, Jelena MALENOVIĆ-NIKOLIĆ, Željko HEDERIĆ and Mina KRSTIĆ
15 ⁴⁵ – 16 ⁰⁰	O3-4	DISTRIBUTION OF SAR_{1G} IN A HUMAN HEAD WHEN USING A MOBILE PHONE WITH THE HANDS-FREE FEATURE Uglješa JOVANOVIĆ, Darko ZIGAR, Jelena MALENOVIĆ-NIKOLIĆ and Dejan KRSTIĆ
16 ⁰⁰ – 16 ¹⁵	O3-5	ARDUINO IONIZING RADIATION DOSIMETER BASED ON BG51 SENSOR Miloš MARJANOVIĆ, Emilija ŽIVANOVIĆ, Danijel DANKOVIĆ and Goran RISTIĆ

16³⁰ – 17³⁰ Visit to the Museum of Industrial and Technological Heritage

Tuesday, August 29th

08³⁰ – 10⁰⁰ **REGISTRATION**

ORAL SESSION 4 – Bioeffects of electromagnetic fields / Other

09 ⁰⁰ – 09 ¹⁵	O4-1	MODEL OF TISSUE LAYERS IN THE BIOIMPEDANCE SPECTROSCOPY Airat GALIAMOV
09 ¹⁵ – 09 ³⁰	O4-2	OCCUPATIONAL HEALTH DAMAGES CAUSED BY ELECTROMAGNETIC RADIATION OF EXTREMELY LOW FREQUENCIES Jovica JOVANOVIĆ, Dejan KRSTIĆ, Dušan SOKOLOVIĆ and Milica JOVANOVIĆ
09 ³⁰ – 09 ⁴⁵	O4-3	ASSESSMENT OF AGE-RELATED SKIN TEMPERATURE CHANGES IN THE PAROTID AND SUBMANDIBULAR REGION IN THE HEALTHY PEOPLE USING THERMAL IMAGING CAMERA Andrija ĆOSIĆ, Igor JOVANOVIĆ, Miona ANDREJEVIĆ STOŠOVIĆ, Dragan KRASIĆ and Dragan MANČIĆ
09 ⁴⁵ – 10 ⁰⁰	O4-4	ADDITIONAL EXPERIMENTAL INVESTIGATION OF INTERVAL OVERLAPPING METHOD FOR BIOMEDICAL SIGNAL MEASUREMENT Jelena ĐORĐEVIĆ KOZAROV, Platon SOVILJ, Milan SIMIĆ, Marjan UREKAR, Milica STOJANOVIĆ and Dragan ŽIVANOVIĆ
10 ⁰⁰ – 10 ¹⁵	O4-5	CUSTOMIZED DIFFERENTIAL MICROVOLT PREAMPLIFIER FOR MEASUREMENTS OF BIOMEDICAL SIGNALS Marjan UREKAR, Jelena ĐORĐEVIĆ KOZAROV and Zdravko GOTOVAC

10¹⁵ – 10³⁰ Coffee break

ORAL SESSION 5 – Inverse electromagnetic field problems / Optimization techniques

10 ³⁰ – 10 ⁴⁵	O5-1	GPU OPTIMIZED LU DECOMPOSITION AND JACOBI METHOD IN TRANSCRANIAL MAGNETIC STIMULATION Erik MÜLLER, Bojana PETKOVIC, Marek ZIOLKOWSKI, Konstantin WEISE, Hannes TOEPFER and Jens HAUEISEN
10 ⁴⁵ – 11 ⁰⁰	O5-2	OPTIMIZATION AND ANALYSIS OF INTERIOR PERMANENT MAGNET SYNCHRONOUS MOTOR Vasilija SARAC
11 ⁰⁰ – 11 ¹⁵	O5-3	IMPROVEMENT THE COIL DESIGN PARAMETERS TO ACHIEVE A HIGH UNIFORMITY MAGNETIC FIELD Karolina KASAŠ-LAŽETIĆ, Miodrag MILUTINOV, Teodora SPASIĆ and Gorana MIJATOVIĆ
11 ¹⁵ – 11 ³⁰	O5-4	MACHINE LEARNING APPLICATION IN CYLINDRICAL PERMANENT MAGNET FORCE CALCULATION Natalija IVKOVIĆ, Ana VUČKOVIĆ, Mirjana PERIĆ and Dušan VUČKOVIĆ
11 ³⁰ – 11 ⁴⁵	O5-5	BEAMFORMING IN UNIFORM LINEAR ARRAY ANTENNA Andy VESA and Daniela VESA

11⁴⁵ – 12⁰⁰ Coffee break

ORAL SESSION 6 – Electromagnetic field measurement techniques

12 ⁰⁰ – 12 ¹⁵	O6-1	THE INFLUENCE OF THE STIRRER ORIENTATION ON THE SENSITIVITY ANALYSIS IN UNDERMODED REVERBERATION CHAMBERS Anett KENDERES, Szabolcs GYIMÓTHY and Péter Tamás BENKŐ
12 ¹⁵ – 12 ³⁰	O6-2	CONTINUOUS EMF EXPOSURE IN THE SENSITIVE AREA OF KINDERGARTEN IN NOVI SAD CITY Dragan KLJAJIC, Nikola DJURIC, Tamara SKORIC and Karolina KASAS-LAZETIC
12 ³⁰ – 12 ⁴⁵	O6-3	CALIBRATION OF MAGNETIC FIELD SENSOR - PCB-BASED H-COIL Stan ZUREK, Srđan DIVAC, Krzysztof CHWASTEK and Branko KOPRIVICA
12 ⁴⁵ – 13 ⁰⁰	O6-4	SIMULATION OF A SELF-BIASED MAGNETOELECTRIC MAGNETIC FIELD SENSOR FOR MAGNETOMETRY Mirza BICHURIN, Viktor LEONTEV and Stanislav SHATKEVICH
13 ⁰⁰ – 13 ¹⁵	O6-5	PREDICTIVE RECOGNITION OF THE HARMONIC SPECTRUM OF FAILURE STATE OF ELECTRIC MOTORS Željko HEDERIĆ, Venco Ćorluka, Krešimir MIKLOŠEVIĆ and Dejan KRSTIĆ

13¹⁵ – 14³⁰ Lunch

POSTER SESSION

14 ³⁰ – 16 ⁰⁰	P-1	CIRCUIT MODEL OF E - PLANE THIRD - ORDER BANDSTOP WAVEGUIDE FILTER Ana TATOVIĆ, Milka POTREBIĆ IVANIŠ and Milan PLAZINIĆ
	P-2	INFLUENCE OF BI-ISOTROPY ON ELECTRIC POTENTIAL AND FIELD DISTRIBUTION OF PROLATE ROTATIONAL ELLIPSOID IN A HOMOGENEOUS AXIAL ELECTRIC FIELD Zlata CVETKOVIĆ, Žaklina MANČIĆ, Bojana PETKOVIĆ and Nikola SIMIĆ
	P-3	IMPACT OF DUST ON THE PERFORMANCE OF MONOCRYSTALLINE SOLAR PHOTOVOLTAIC (PV) SYSTEMS Simona ILIE, Adrian MAGHET, Ildiko TATAI, Oana MARES and Dejan IOVANOVIĆ
	P-4	DYNAMIC MODEL OF PERMANENT MAGNET SYNCHRONOUS MOTOR WITH INCLUDED LOSSES Venco ĆORLUKA and Željko HEDERIĆ
	P-5	ANALYSIS OF THERMAL DISTRIBUTION OF HOT LEAK SPOTS ON HEAT UNDERGROUND PIPELINE Dejan BLAGOJEVIĆ, Srđan JOVKOVIĆ, Milan PROTIĆ and Nikola MILUTINOVIĆ
	P-6	HYBRID-FUZZY TAKAGI-SUGENO ORTHOGONAL CONTROLLERS APPLIED IN THE CONTROL OF THE TOWER CRANE SYSTEM Saša NIKOLIĆ, Nikola DANKOVIĆ, Miroslav MILOVANOVIĆ, Darko MITIĆ, Petar ĐEKIĆ, Igor KOCIĆ, and Marko ŽIVKOVIĆ
	P-7	VALIDATION OF DISTRIBUTED ENERGY RESOURCES IN ACCORDANCE WITH VOLTAGE FLUCTUATION LIMITATIONS PRESCRIBED BY THE IEEE 1547-2018 STANDARD Marko DIMITRIJEVIĆ and Milutin PETRONIJEVIĆ
	P-8	STATISTICAL CONSIDERATIONS ON HIGH-FREQUENCY RADIATION PATTERNS CAUSED BY POWER DRIVE SYSTEMS Ana VUČKOVIĆ and Bernd W. JAEKEL
	P-9	INVESTIGATING THE EFFECTS OF GLASSES ON ELECTRIC FIELD DISTRIBUTION FROM A MOBILE PHONE INSIDE THE HUMAN EYE DURING WEB SURFING Dejan JOVANOVIĆ, Vladimir STANKOVIĆ, Nenad CVETKOVIĆ, Dragana ŽIVALJEVIĆ and Dragan VUČKOVIĆ
	P-10	CHARACTERISTIC PARAMETERS DETERMINATION OF CIRCULAR-SHAPED MICROSIELD LINES Mirjana PERIĆ, Saša S. ILIĆ, Natalija IVKOVIĆ and Isidora JOVANOVIĆ
	P-11	STUDY OF THE TIME-CURRENT CHARACTERISTIC OF A HIGH-POWER FUSE IN THE LIMITING CURRENT REGION Ivan HADZHIEV, Dian MALAMOV, Nikolay KOLEV, Iosko BALABOZOV and Ivan YATCHEV
	P-12	AN APPROXIMATE MODEL FOR DETERMINING THE RESISTANCE OF A HEMISPHERICAL GROUND ELECTRODE PLACED AT THE TOP OF THE NON-HOMOGENEOUS TRUNCATED CONE Dragan VUČKOVIĆ, Dejan JOVANOVIĆ, Nenad CVETKOVIĆ, Miodrag STOJANOVIĆ and Dragan TASIĆ
	P-13	PARAMETER IDENTIFICATION AND SELF-COMMISSIONING OF THE INDUSTRIAL DRIVES Bojan BANKOVIC, Filip FILIPOVIC, Nebojsa MITROVIC and Vojkan KOSTIC
	P-14	PERFORMANCE OF UPLINK NOMA SYSTEM WITH 2K+1 USERS Aleksandra PANAJOTOVIĆ, Jelena ANASTASOV, Dejan MILIĆ and Daniela MILOVIĆ
	P-15	AUTOMATED APPROACH TO MODEL-DRIVEN ENGINEERING LEVERAGING CHATGPT AND ECORE Nenad PETROVIĆ and Issam AL-AZZONI
	P-16	LOW-CODE APPROACH TO DEVELOPMENT OF AI-ENABLED MULTIPLATFORM MOBILE APPLICATIONS RELYING ON CHATGPT Nenad PETROVIĆ and Valentina NEJKOVIĆ
	P-17	EXTERNAL INDUCTANCE PER UNIT LENGTH CALCULATION OF TWO WIRE LINES WITH NEGLIGIBLE THICKNESS IN THE VICINITY OF LINEAR MAGNETIC MATERIAL Saša S. ILIĆ, Dragana VUKIĆ, Mirjana PERIĆ and Ana VUČKOVIĆ

16⁰⁰ – 16¹⁵

CLOSING CEREMONY

20⁰⁰

CONFERENCE DINNER

Wednesday, August 30th

9⁰⁰ – 17⁰⁰ EXCURSION