

IEEC 2017 FULL SCHEDULE

Wednesday , August 30th

09⁰⁰ – 10⁰⁰ **REGISTRATION**

10⁰⁰ – 10³⁰ **OPENING CEREMONY**

10 ³⁰ – 11 ³⁰	Current, if not obstructed, will always follow the path of... - Invited lecture Elya Joffe
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11³⁰ – 11⁴⁵ Coffee break

ORAL SESSION 1 – Computation of electromagnetic fields 1

11 ⁴⁵ – 12 ⁰⁰	Numerical analysis of transient and steady state operation of three-phase induction motor Vasilija Šarac, Goce Stefanov
12 ⁰⁰ – 12 ¹⁵	Calculation of stress and temperature in the delta closure copper plates of EAF Snežana Čundeve, Mihail Digalovski
12 ¹⁵ – 12 ³⁰	Battery pack design problems – influence of the transverse magnetic field on internal battery resistance Tin Benšić, Željko Hederić, Marinko Barukčić, Miralem Hadžiselimović, Nenad Cvetković
12 ³⁰ – 12 ⁴⁵	About solving magnetic problems with rounded-corner domains Ioana-Gabriela Sirbu
12 ⁴⁵ – 13 ⁰⁰	Synchronous generator with inset PM rotor: FEM analysis of voltage compensation capability Marian Greconici, Gheorghe Madescu, Constantin Dobrean, Martian Mot, Marius Biriescu

13⁰⁰ – 14³⁰ Lunch

ORAL SESSION 2 – EM circuits & systems

14 ³⁰ – 15 ³⁰	Potential applications of memristors in microwave circuits - Invited lecture Milka Potrebić
15 ³⁰ – 15 ⁴⁵	Spice compatible equivalent circuits for analysis of grounding conductors Andrijana Kuhar, Lidija Ololoska-Gagoska, Leonid Grčev
15 ⁴⁵ – 16 ⁰⁰	Electromagnetic interfeeration reduction by using sensorless FOC of IPMSM with PICCOLO F28069 controlstick Lindita Dhamo, Aida Spahiu, Mitja Nemeč, Vanja Ambrozić
16 ⁰⁰ – 16 ¹⁵	Filter design for three phase grid connected power converters Bojan Banković, Nebojša Mitrović, Vojkan Kostić, Milutin Petronijević
16 ¹⁵ – 16 ³⁰	Overall efficiency in electric road vehicles Nikša Čavar, Damir Vuljaj, Mario Vražić

16³⁰ – 16⁴⁵ Coffee break

ORAL SESSION 3 – EMC problems

16 ⁴⁵ – 17 ⁰⁰	High frequency behaviour of ground rods in two-layer soil Vesna Arnautovski Toševa, Leonid Grčev, Snežana Čundeve
17 ⁰⁰ – 17 ¹⁵	Numerical simulation of DC corona discharge Milan Ignjatović, Jovan Cvetić, Dragan Pavlović, Nikola Mijajlović
17 ¹⁵ – 17 ³⁰	Harmonic impact on power grid of multi drive system with active front end technology Bojan Banković, Nebojša Mitrović, Vojkan Kostić, Milutin Petronijević, Filip Filipović
17 ³⁰ – 17 ⁴⁵	System for supplying electric energy with zero CO₂ emissions Simona Ilie, Ciprian Sorândaru, Marian Greconici, Dumitru Toader
17 ⁴⁵ – 18 ⁰⁰	The maximum power transfer from the ports of a DC – DC power converter which behaves as a gyrator Ildiko Tatai

Social activities

Thursday, August 31st

08⁰⁰ – 09⁰⁰ **REGISTRATION**

09 ⁰⁰ – 10 ⁰⁰	Ethics challenges in the Engineering profession - Invited lecture Elya Joffe
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ORAL SESSION 4 – Computation of electromagnetic fields 2

10 ⁰⁰ – 10 ¹⁵	Magnetic field of handheld hair dryers Miodrag Milutinov, Anamarija Juhas, Neda Pekarić-Nad
10 ¹⁵ – 10 ³⁰	Magnetic field of electrical radiant heating system Miodrag Milutinov, Anamarija Juhas, Neda Pekarić-Nad
10 ³⁰ – 10 ⁴⁵	Capacitance determination of cylindrical conductor of square cross section placed in groove Milan Vesković, Jeroslav Živanić, Nenad N. Cvetković, Zoran V. Jevremović
10 ⁴⁵ – 11 ⁰⁰	Application of electrostatics in simulation of breast pathology images David Pokrajac, Predrag Bakić, Dejan B. Jovanović, Andrew D. A. Maidment

11⁰⁰ – 11¹⁵ Coffee break

ORAL SESSION 5 – Electromagnetic field measurement techniques

11 ¹⁵ – 11 ³⁰	Motion-induced eddy current testing of composite materials Hartmut Brauer, Stephan Gorges, Marek Ziolkowski, Hannes Toepfer
11 ³⁰ – 11 ⁴⁵	Measurement of magnetic flux density of large-diameter multilayer solenoid Branko Koprivica, Marko Šučurović, Nikola Jevtić, Alenka Milovanović
11 ⁴⁵ – 12 ⁰⁰	Linetgis application using lightning detection network data Vesna Javor, Leonid Stoimenov, Nikola Džaković, Nikola Dinkić, Dario Javor, Hans-Dieter Betz
12 ⁰⁰ – 12 ¹⁵	Magnetolectric current sensor in the EMR range Mirza Bichurin, Roman Petrov, Viktor Leontiev, Oleg Sokolov, Katja Tonisch, Stefan Krischok, Hannes Töpfer
12 ¹⁵ – 12 ³⁰	One solution of a low-cost Teslameter Uglješa Jovanović, Igor Jovanović, Marjan Blagojević, Dragan Mančić

12³⁰ – 14⁰⁰ Lunch

POSTER SESSION

14 ⁰⁰ – 15 ⁰⁰	Average bit error probability comparison of dual-branch and triple-branch selection diversity receiver based on desired signal algorithm over correlated Weibull fading channels Aleksandra Golubović, Nikola Sekulović, Mihajlo Stefanović, Dejan Milić
	Capacity of cooperative multi-hop multiuser relay system Nikola Sekulović, Aleksandra Panajotović, Aleksandra Cvetković, Daniela Milović
	Electromagnetic Model of the External Lightning Protection System Dino Lovrić, Slavko Vujević
	Machine learning application in permanent magnet magnetic force calculation Ana Stojanović, Dušan Vučković, Milena Stanković, Ana Vučković
	Radially magnetized ring permanent magnet modelling in vicinity of soft magnetic cylinder Ana Vučković, Nebojša Raičević, Mirjana Perić
	Analysis of Bowman squares using Hybrid boundary element method Mirjana Perić, Saša Ilić, Ana Vučković
	Advantages of the amplitude characteristics of special Gegenbauer low-pass filters Aleksandar Ilić, Vlastimir Pavlović, Zlata Cvetković
	Design of nearly monotonic passband filters with sharp cutoff Dragana Živaljević, Negovan Stamenković, Nikola Stojanović
	Energy Efficient Lighting in Industry Dragan Vučković, Miodrag Stojanović, Dragan Tasić, Srđan Jovković
	Comparison of memristor models for microwave circuit simulations Ivo Marković, Milka Potrebić, Dejan Tošić, Zlata Cvetković
Dynamic electrostatic systems in the oil industry	

	Mičo Gaćanović
	One approximate analytical expression for resistance of the vertical grounding electrode placed in multilayered media Dejan B. Jovanović, Nenad N. Cvetković, Miodrag S. Stojanović, Marinko Barkučić, Željko Hederić, Vladimir Stanković

15⁰⁰ – 15¹⁵ Coffee break

ORAL SESSION 6 – Other

15 ¹⁵ – 15 ³⁰	Simple, energy-efficiency stand alone water pumping system regulated by sliding mode control Sergey Ryvkin
15 ³⁰ – 15 ⁴⁵	Lambert W function application to a direct current motor speed regulation with a delay Radmila Gerov, Zoran Jovanović
15 ⁴⁵ – 16 ⁰⁰	The influence of the delay on the position of the rotor of a direct current motor Radmila Gerov, Zoran Jovanović
16 ⁰⁰ – 16 ¹⁵	Outage performance of wireless system in the presence of Rician short term fading, gamma long term fading and Nakagami-m interference Dragana Krstić, Ivica Marjanović, Selena Vasić, Vladeta Milenković, Mihajlo Stefanović
16 ¹⁵ – 16 ³⁰	Probability density function of the double Nakagami-m channel signal to interference ratio in the presence of Rayleigh interference Nenad Milošević, Bojana Nikolić, Mihajlo Stefanović

16³⁰ – 17⁰⁰ CLOSING CEREMONY

20⁰⁰ CONFERENCE DINNER

Friday, September 01st

Excursion