

19th International Symposium on Power Electronics - Ee2017
Venue: University of Novi Sad - Central Building, Novi Sad, Serbia
Preliminarni Program / Preliminary Program

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Updated: Sept 24, 2017

Wednesday, 18 Oct. 2017.

PRE-CONFERENCE EVENTS

09:00 - 17:00h	Tutorials Registration // HARD & SOFT Student Competition (Preliminaries)
09:30 - 10:00h	OPENING - Tutorials // Hard&Soft Student Competition
10:00 - 13:30h	Tutorial 2 // Tutorial 4 (Refreshment in hall)
13:30 - 14:00h	LUNCH
14:30 - 18:00h	Tutorial 1 // Tutorial 3 (Refreshment in hall)
18:30 - 20:30h	BEER PARTY (NS Craft Beers)

CONFERENCE

Time	Paper Id	Session	Paper title / Authors:family name	Authors: name	Affiliation	State
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Thursday, 19 Oct. 2017.

09:00 - 18:00h	HARD & SOFT Student Competition (Preliminaries)	FTS-Reading Hall
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09:00 - 18:00h	REGISTRATION
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09:00 - 09:30h	PARTICIPANTS AND GUESTS ARRIVAL REFRESHMENT
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09:30h	PLENARY Session	OPENING CEREMONY	AMPHITHEATER
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Chair: Prof. Vladimir Katić, University of Novi Sad, Faculty of Technical Sciences, Novi Sad, Serbia
 Co-chair: dr Aleksandar Nikolić, Electrical Engineering Institute "Nikola Tesla", University of Belgrade, Belgrade, Serbia
 Co-chair:

- Opening
- Music
- Greetings

10:00h	PLENARY Session - KN1	KEY-NOTE PAPERS	AMPHITHEATER
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Chair:
 Co-chair:

10:00h	KN1-1	IS SIC A GAME CHANGER? Boroyevich	Dushan	Virginia Tech, Blacksburg	USA
10:40h	KN1-2	HIGH FREQUENCY POWER ELECTRONICS USING GAN DEVICES Maksimovic	Dragan	University of Colorado, Boulder	USA

11:20 - 11:30h	REFRESHMENT BREAK
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11:30h	SESSION - PN1	Panel SESSION	AMPHITHEATER
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Chair:
 Co-chair:

11:30h	PN1	Power Quality: Recent findings and future needs	Jan	Technische Universitaet Dresden	Germany
		Meyer	Jako	University of Technology Tallinn	Estonia
		Kilter	Aleksandar	University of Belgrade	Serbia
		Nikolic	Jovica	University of Manchester	UK
		Milanovic	Igor	University of Ljubljana	Slovenia
		Papic	Sasa	University of Edinburgh	UK
		Djokic			

13:30h - 14:15h	LUNCH BREAK
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14:15h	SESSION -T1.1	POWER CONVERTERS AND DEVICES	AMPHITHEATER		
	Chair:				
	Co-chair:				
14:15h	01519	T1.1-1	Stability norms control using the virtual impedance concept for power frequency applications		
		Abojlala	Khaled	University of Strathclyde	United Kingdom
		Holliday	Derrick	University of Strathclyde	United Kingdom
		Xu	Lie	University of Strathclyde	United Kingdom
14:30h	01619	T1.1-2	Electric-Field-Coupled Single-Wire Power Transmission — Analytical Model and Experimental Demonstration		
		Chen	Xiyou	Dalian University of Technology, School of Electrical Engineering	China
		Chen	Jianhui	Dalian University of Technology, School of Electrical Engineering	China
		Li	Guanlin	Dalian University of Technology, School of Electrical Engineering	China
		Mu	Xianmin	Dalian University of Technology, School of Electrical Engineering	China
		Qi	Chen	Dalian University of Technology, School of Electrical Engineering	China
14:45h	01819	T1.1-3	Full Bridge MMC Converter Controller for Optimal HVDC Operation		
		Jovcic	Dragan	University of Aberdeen	United Kingdom
		Lin	Weixing	University of Aberdeen	United Kingdom
		Nguefeu	Samuel	RTE	France
		Saad	Hani	RTE	France
15:00h	02219	T1.1-4	Dynamic Simulation Model of a Quasi-Z-Source Inverter with Parasitic Resistances and Saturable Inductor		
		Bašić	Mateo	University of Split, Faculty of Electrical Engineering, Mechanical Engineering, and Naval Architecture	Croatia
		Vukadinović	Dinko	University of Split, Faculty of Electrical Engineering, Mechanical Engineering, and Naval Architecture	Croatia
		Polić	Miljenko	University of Split, Faculty of Electrical Engineering, Mechanical Engineering, and Naval Architecture	Croatia
15:15h	02419	T1.1-5	Stress Reduction in High Voltage MIS Capacitor Fabrication		
		Banzhaf	Stephanie	Robert Bosch GmbH	Germany
		Kenntner	Johannes	Robert Bosch GmbH	Germany
		Grieb	Michael	Robert Bosch GmbH	Germany
		Schwaiger	Stephan	Robert Bosch GmbH	Germany
		Erlbacher	Tobias	Fraunhofer Institute for Integrated Systems and Device Technology	Germany
		Bauer	Anton	Fraunhofer Institute for Integrated Systems and Device Technology	Germany
		Frey	Lothar	University of Erlangen-Nuremberg, Chair of Electron Devices	Germany
15:30h	02519	T1.1-6	DC Bus Strength in DC Grid Protection		
		Zaja	Mario	University of Aberdeen	United Kingdom
		Jovcic	Dragan	University of Aberdeen	United Kingdom
		Hajian	Masood	University of Aberdeen	United Kingdom
15:45h	02919	T1.1-7	High-Current Low-Voltage Power Supplies for Superconducting Magnets		
		Coulinge	Emilien	European Organization for Nuclear Research – CERN	Switzerland
		Burnet	Jean-Paul	European Organization for Nuclear Research – CERN	Switzerland
		Dujic	Drazen	EPFL - PEL	Switzerland
16:00h	03519	T1.1-8	High Gain Bidirectional Multiport DC to DC Converter for DC Microgrid		
		Arif	Muhammad	COMSATS Institute Of Information Technology, Abbottabad.	Pakistan
		Saleem	Jawad	COMSATS Institute Of Information Technology, Abbottabad.	Pakistan
		Abbas	Qamar	COMSATS Institute Of Information Technology, Abbottabad.	Pakistan
		Todorovic	Ivan	University of Novi Sad, Faculty of Technical Sciences	Serbia
		Majid	Abdul	COMSATS Institute Of Information Technology, Abbottabad.	Pakistan

14:15h	SESSION T4.1	CONTROL AND MESUREMENT IN POWER ELECTRONICS - 1		HALL 1
Chair:				
Co-chair:				
14:15h	00419	T4.1-1	Modifications to the synchronverter algorithm to improve its stability and performance	
			Natarajan Vivek	Indian Institute of Technology Bombay
			Weiss George	Tel Aviv University
				India
				Israel
14:30h	00619	T4.1-2	Optimal Fractional Order PID Controllers Design Based on Genetic Algorithm for Time Delay Systems	
			Nekoui Mohammad Ali	University of Technology, Faculty of Electrical Engineering, K.N.Toosi
			Pakzad Mohammadali	Islamic Azad University, Department of Electrical Engineering, Science and Research Branch
			Pakzad Sara	Islamic Azad University, Departments of Electrical Engineering, South Tehran Branch
				Iran
				Iran
				Iran
14:45h	01019	T4.1-3	Indirect Model Predictive Control Strategies with Input Filter Resonance Mitigation for a Matrix Converter Operating at Fixed Switching Frequency	
			Rivera Marco	University of Talca
			Nikolic Aleksandar	University of Belgrade, Electrical Engineering Institute Nikola Tesla
			Tarisciotti Luca	University of Nottingham
			Wheeler Pat	University of Nottingham
				Chile
				Serbia
				United Kingdom
				United Kingdom
15:00h	03019	T4.1-4	Conformal Mapping of Impedance Stability Models for System-Level Dynamics Assessments	
			Freijedo Francisco D.	EPFL - PEL
			Javaid Uzair	EPFL - PEL
			Dujic Drazen	EPFL - PEL
				Switzerland
				Switzerland
				Switzerland
15:15h	03119	T4.1-5	Unipolar Switched Bidirectional Bridgeless Power Factor Correction Boost Rectifier With Adaptive Dual Current Mode Control	
			Lale Srdan	University of East Sarajevo, Faculty of Electrical Engineering
			Šoja Milimir	University of East Sarajevo, Faculty of Electrical Engineering
			Lubura Slobodan	University of East Sarajevo, Faculty of Electrical Engineering
				Bosnia and Herzegovina
				Bosnia and Herzegovina
				Bosnia and Herzegovina
15:30h	03219	T4.1-6	Plug-and-play realization of the virtual infinite capacitor	
			Lin Jun	Tel Aviv University
			Weiss George	Tel Aviv University
				Israel
				Israel
15:45h	03319	T4.1-7	Optimal scheduling of a household refrigerator using adaptive model predictive technique	
			Bálint Roland	University of Pannonia
			Hangos Katalin M.	Hungarian Academy of Sciences
			Magyar Attila	University of Pannonia
				Hungary
				Hungary
				Hungary
16:00h	03719	T4.1-8	Experimental validation of a Non-linear Robust Controller for DC-DC boost converters	
			Markou Achilles	National Technical University of Athens (NTUA)
			Palaioyiannis Foivos	National Technical University of Athens (NTUA)
			Soldatos Argiris	National Technical University of Athens (NTUA)
			Hatziaargyriou Nikos	National Technical University of Athens (NTUA)
				Greece
				Greece
				Greece
				Greece
16:15 - 16:30h	REFRESHMENT BREAK			
16:30h	SESSION -T1.2	POWER CONVERTERS AND DEVICES		AMPHITHEATER
Chair:				
Co-chair:				
16:30h	04319	T1.2-1	Digital diagnosis of short-circuit failures and reconfiguration of a single-phase VSI	
			Oliveira Andre B. M.	CEFET-MG
			Simoos Marcelo G.	Colorado School of Mines
			Moreno Robson L.	UNIFEI
			Ribeiro Enio R.	UNIFEI
				Brazil
				United States
				Brazil
				Brazil
16:45h	05119	T1.2-2	A New Hybrid Boost-L Converter	
			Pop-Călimanu Ioana-Monica	Politehnica University Timișoara
			Renken Folker	Jade University of Wilhelmshaven, Oldenburg, Elsfleth
			Lascu Dan	Politehnica University Timișoara
			Lica Septimiu	Politehnica University Timișoara
			Gurbina Mircea	Politehnica University Timișoara
				Romania
				Germany
				Romania
				Romania
				Romania

16:30h	SESSION -T1.2	POWER CONVERTERS AND DEVICES	AMPHITHEATER	
	Chair:			
	Co-chair:			
17:00h	05319	T1.2-3	Design consideration for high frequency LLC resonant converter with matrix transformer	
		Pajnić	Milan	University of Belgrade, School of Electrical Engineering
		Pejović	Predrag	University of Belgrade, School of Electrical Engineering
		Despotović	Željko	Mihajlo Pupin Institute
		Lazić	Miroslav	Institute Iritel a.d.
		Skender	Miodrag	Institute Iritel a.d.
17:15h	05719	T1.2-4	Characterization and Gate Drive Design of High Voltage Cascode GaN HEMT	
		Pajnić	Milan	University of Belgrade, School of Electrical Engineering
		Pejović	Predrag	University of Belgrade, School of Electrical Engineering
		Despotović	Željko	Mihajlo Pupin Institute
		Lazić	Miroslav	Institute Iritel a.d.
		Skender	Miodrag	Institute Iritel a.d.
17:30h	06019	T1.2-5	Reliability Of Power Supplies For Induction Heating Through An Analysis Of The States In Operating Modes	
		Prodanov	Prodan	Technical University of Gabrovo
		Dankov	Dobroslav	Technical University of Gabrovo
17:45h	06219	T1.2-6	Digital Short-Circuit Diagnosis and Reconfiguration of a Fault Tolerant VSI	
		Oliveira B. M.	Andre	CEFET-MG
		Moreno L.	Robson	UNIFEI
		Ribeiro R.	Enio	UNIFEI
18:00h	06619	T1.2-7	PWM Switching Strategy of Three Converters for Synchronous Adjustment of Transformer-Based System	
		Oleschuk	Valentin	Institute of Power Engineering of the Academy of Sciences of Moldova
18:15h	07019	T1.2-8	A Modified Line-Commutated Inverter for Grid-Connected Photovoltaic Systems with Voltage-Based Maximum Power Point Tracking Method	
		Unlu	Murat	Kocaeli University
		Çamur	Sabri	Kocaeli University
		Beşer	Ersoy	Kocaeli University
		Arifoğlu	Biröl	Kocaeli University
16:15h	SESSION T3.1	ELECTRICAL MACHINES	AMPHITHEATER	
	Chair:			
	Co-chair:			
16:30h	00519	T3.1-1	Dual Three-phase PM Generator Parameter Identification using Experimental and Simulated System Responses	
		Zabaleta	Mikel	Ingeteam Power Technology
		Levi	Emil	Liverpool John Moores University
		Jones	Martin	Liverpool John Moores University
16:45h	01919	T3.1-2	Torque Ripple Calculation of Two-Phase IM Supplied by Three-Leg VSI with PWM Output Voltage Control	
		Zaskalicky	Pavel	Technical University of Kosice
17:00h	02819	T3.1-3	Resistance Dissymmetry Localization Method based on Vector Space Decomposition Approach for Six-phase Induction Machines	
		Rios Garcia	Natalia	University of Malaga
		Gonzalez Prieto	Ignacio	University of Malaga
		Duran Martinez	Mario J.	University of Malaga
		Barrero Garcia	Federico	University of Seville
17:15h	03619	T3.1-4	Rotor slot harmonics based induction machine speed estimation	
		Popadic	Bane	University of Novi Sad, Faculty of Technical Sciences
		Vasic	Veran	University of Novi Sad, Faculty of Technical Sciences
		Dumnic	Boris	University of Novi Sad, Faculty of Technical Sciences
		Milicevic	Dragan	University of Novi Sad, Faculty of Technical Sciences
		Vukajlovic	Nikola	University of Novi Sad, Faculty of Technical Sciences

16:15h	SESSION T3.1	ELECTRICAL MACHINES	AMPHITHEATER	
Chair:				
Co-chair:				
17:30h	04619	T3.1-5	Influence of Rotor Geometry on Back Electromotive Force and Torque Waveforms of Brushless DC Motors	
			Camur Sabri	Kocaeli University Turkey
			Kandemir Beser	Esra Kocaeli University Turkey
17:45h	05519	T3.1-6	Portable Rotational Electromagnetic Energy Harvester with a Maximum Energy Tracking Power Management System	
			Dinulovic Dragan	Würth Elektronik eiSos GmbH Germany
			Shousha Mahmoud	Würth Elektronik eiSos GmbH Germany
			Brooks Michael	Würth Elektronik eiSos GmbH Germany
			Haug Martin	Würth Elektronik eiSos GmbH Germany
			Petrovic Tomislav	University of Nis, Faculty of Mechanical Engineering Serbia
18:00h	05619	T3.1-7	Vector Space Decomposition Algorithm for Asymmetrical Multiphase Machines	
			Zoric Ivan	Liverpool John Moores University United Kingdom
			Jones Martin	Liverpool John Moores University United Kingdom
			Levi Emil	Liverpool John Moores University United Kingdom
18:15h	07119	T3.1-8	Convergence and stability analysis of IM rotor time constant estimators based on MRAS scheme	
			Popovic Vladimir	University of Novi Sad, Faculty of Technical Sciences Serbia
			Oros Djura	University of Novi Sad, Faculty of Technical Sciences Serbia
			Matic Petar	University of Banja Luka, Faculty of Electrical Engineering Bosnia and Herzegovina
			Marcetic Darko	University of Novi Sad, Faculty of Technical Sciences Serbia
18:30h - 20:30h	WELCOME RECEPTION			

Friday, 20 Oct. 2017.

09:00 - 18:00h		HARD & SOFT Student Competition (Preliminaries)		FTS-Reading Hall		
09:00 - 17:00h		REGISTRATION				
09:00h	SESSION -T6.1	POWER QUALITY	AMPHITHEATER			
Chair:						
Co-chair:						
09:00h	00819	T6.1-1	Power Harmonics Estimation Based on Analytical Signal Concept	Petrovic Predrag	University of Kragujevac, Faculty of Technical Sciences, Cacak	Serbia
09:15h	01319	T6.1-2	A Notch Filter based Active Damping of LLCL Filter in Shunt Active Power Filter	Büyük Mehmet Tan Adnan Inci Mustafa Tümay Mehmet	Çukurova University Çukurova University Çukurova University Çukurova University	Turkey Turkey Turkey Turkey
09:30h	04819	T6.1-3	A New Multilevel Inverter Based Parallel Active Power Filter	Karaarslan Korhan Arifoglu Birol Beser Ersoy Camur Sabri	Kocaeli University Kocaeli University Kocaeli University Kocaeli University	Turkey Turkey Turkey Turkey
09:45h	04919	T6.1-4	POWER QUALITY DATA LOGGER WITH INTERNET ACCESS	Mitrović Vladimir Mijalković Milan	The School of Electrical and Computer Engineering of Applied Studies The School of Electrical and Computer Engineering of Applied Studies	Serbia Serbia
10:00h	06319	T6.1-5	Overview of voltage dips detection analysis methods	Stanisavljević Aleksandar M. Katić Vladimir A. Dumnić Boris P. Popadić Bane P.	University of Novi Sad, Faculty of Technical Sciences University of Novi Sad, Faculty of Technical Sciences University of Novi Sad, Faculty of Technical Sciences University of Novi Sad, Faculty of Technical Sciences	Serbia Serbia Serbia Serbia
10:15h	07319	T6.1-6	Power Factor Correction of Electric Arc Furnace Using Active and Passive Compensation	Laketić Nikola Radaković Jovan Majtal Zoltan	Avalon Partners d.o.o. Operator Distributivnog Sistema, Ogranak Subotica Termovent SC Livnica Čelika AD	Serbia Serbia Serbia
09:00h	SESSION -T7.1	RENEWABLE AND DISTRIBUTED ENERGY SOURCES	HALL 1			
Chair:						
Co-chair:						
09:00h	00919	T7.1-1	A Novel Isolated-port Equalizer for Photovoltaic Systems Under Mismatch Conditions	Zhang Wei Ping Li Jie Mao Peng	The North China University of Technology The North China University of Technology The North China University of Technology	China China China
09:15h	02019	T7.1-2	ADN Optimal Operation Strategy based on Probabilistic Load Flow	Huang Wei Yang Shuwen Hua Liangliang Guo Zhaorui Wu Juan Ge Liangjun	North China Electric Power University North China Electric Power University East Inner Mongolia Electric Power Company Limited North China Electric Power University North China Electric Power University North China Electric Power University	China China China China China China
09:30h	02719	T7.1-3	Stabilizing the VSI response in microgrids via novel PI controllers	Papageorgiou Panos Alexandridis Antonio	University of Patras University of Patras	Greece Greece
09:45h	07519	T7.1-4	Future of High Power PV Plants – 1500V inverters	Čorba Zoltan Popadić Bane Katić Vladimir Dumnić Boris Milićević Dragan	University of Novi Sad, Faculty of Technical Sciences University of Novi Sad, Faculty of Technical Sciences University of Novi Sad, Faculty of Technical Sciences University of Novi Sad, Faculty of Technical Sciences University of Novi Sad, Faculty of Technical Sciences	Serbia Serbia Serbia Serbia Serbia

09:00h		SESSION -T7.1	RENEWABLE AND DISTRIBUTED ENERGY SOURCES	HALL 1	
Chair:					
Co-chair:					
10:00h	06419	T7.1-5	Explicit Active Power Reference Tracking Algorithm for Photovoltaic Converter		
			Vekić	Marko	University of Novi Sad, Faculty of Technical Sciences
			Porobić	Vlado	University of Novi Sad, Faculty of Technical Sciences
			Grabić	Stevan	University of Novi Sad, Faculty of Technical Sciences
			Adžić	Evgenije	University of Novi Sad, Faculty of Technical Sciences
			Zogogianni	Charoula	University of Patras
10:15h	06519	T7.1-6	Precise PV Active Power - Converter Control Rapid Prototyping Framework		
			Porobic	Vlado	University of Novi Sad, Faculty of Technical Sciences
			Adzic	Evgenije	University of Novi Sad, Faculty of Technical Sciences
			Grabic	Stevan	University of Novi Sad, Faculty of Technical Sciences
			Vekic	Marko	University of Novi Sad, Faculty of Technical Sciences
			Rapaic	Milan	University of Novi Sad, Faculty of Technical Sciences
10:30 - 10:50h		REFRESHMENT BREAK			
10:50h		PLENARY Session - KN2	KEY-NOTE PAPERS	AMPHITHEATER	
Chair:					
Co-chair:					
10:50h		KN2-1	IMPACT OF SMART SOLUTIONS ON DISTRIBUTION NETWORK DEVELOPMENT		
			Levi	Victor	University of Manchester
					United Kingdom
11:30h		PLENARY Session - IP1	INVITED PAPERS	AMPHITHEATER	
Chair:					
Co-chair:					
11:30h	04119	IP1-1	Future of Electric Vehicle Charging		
			Chandra Mouli	Gautham Ram	Delft University of Technology
			Venugopal	Prasanth	Delft University of Technology
			Bauer	Pavol	Delft University of Technology
12:00h	08219	IP1-2	Design for Reliability in Renewable Energy Systems		
			Blaabjerg	Frede	Aalborg University, Department of Energy Technology
			Zhou	Dao	Aalborg University, Department of Energy Technology
			Sangwongwanich	Ariya	Aalborg University, Department of Energy Technology
			Wang	Huai	Aalborg University, Department of Energy Technology
12:30h	01719	IP1-3	Large Wind Generators Design, Performance and Control: An Overview		
			Boldea	Ion	University Politehnica, Timisoara
			Popa (Moldovan)	Ana	University Politehnica, Timisoara
			Tutelea	Lucian	University Politehnica, Timisoara
13:00h - 14:00h		LUNCH BREAK			
14:00h		SESSION - PN2	Panel SESSION	AMPHITHEATER	
Chair:					
Co-chair:					
14:00h		PN2	The Key Milestones in the Evolution of Induction Motor Drives		
			Stefanovic	Victor	V-S Drives Consulting Afton, Virginia
			Boldea	Ion	Politehnica of Timisoara
			Blasko	Vladimir	United Technologies Research Center
			Blaabjerg	Frede	Aalborg University, Department of Energy Technology
16:00 - 16:15h		REFRESHMENT BREAK			

16:15h	SESSION -T2.1	AUTOMOTIVE AND INDUSTRIAL DRIVES		AMPHITHEATER
Chair:				
Co-chair:				
16:15h	02319	T2.1-1	Model identification and parameter estimation of lithium ion batteries for diagnostic purposes	
			Pózna	Anna University of Pannonia Hungary
			Magyar	Attila University of Pannonia Hungary
			Hangos	Katalin Institute for Computer Science and Control Hungary
16:30h	06119	T2.1-2	A New Discrete-time Super Twisting Control of a First Order Plant with Input Saturation	
			Milosavljević	Čedomir University of East Sarajevo, Faculty of Electrical Engineering Bosnia and Herzegovina
			Peruničić	Branislava University of Sarajevo, Faculty of Electrical Engineering Bosnia and Herzegovina
			Petronijević	Milutin University of Niš, Faculty of Electronic Engineering Serbia
			Veselić	Boban University of Niš, Faculty of Electronic Engineering Serbia
16:45h	05419	T2.1-3	Mechanical Arrangements Onboard Ship of Innovative Permanent Magnet Linear Actuators for Steering Gear	
			Bruzzese	Claudio University of Rome, Dept. of Astronautical, Electrical and Energy Engineering (DAEEE), Rome Italy
			Ruggeri	Enrico University of Rome, Dept. of Astronautical, Electrical and Energy Engineering (DAEEE), Rome Italy
			Rafiei	Mohamed University of Rome, Dept. of Astronautical, Electrical and Energy Engineering (DAEEE), Rome Italy
			Zito	Damiano University of Rome, Dept. of Astronautical, Electrical and Energy Engineering (DAEEE), Rome Italy
			Santini	Ezio University of Rome, Dept. of Astronautical, Electrical and Energy Engineering (DAEEE), Rome Italy
			Mazzuca	Teresa General Staff of the Italian Navy Italian Ministry of Defense Rome, Italy Italy
			Lipardi	Gennaro 2nd Rep./Ship System- 4th Div./Propulsion and Energy NAVARM, Italian Navy Rome, Italy Italy
17:30h	04019	T2.1-4	Achieving Maximum Torque for Switched Reluctance Motor Drive over its Entire Speed Range	
			Anuchin	Alecksey Moscow Power Engineering Institute Russian Federation
			Lashkevich	Maxim Moscow Power Engineering Institute Russian Federation
			Aliamkin	Dmitry Moscow Power Engineering Institute Russian Federation
			Briz	Fernando University of Oviedo Spain
16:15h	SESSION T4.2	CONTROL AND MESUREMENT IN POWER ELECTRONICS		HALL 1
Chair:				
Co-chair:				
16:15h	03819	T4.2-1	Optimized Method for Speed Estimation Using Incremental Encoder	
			Anuchin	Alecksey Moscow Power Engineering Institute Russian Federation
			Astakhova	Valentina Moscow Power Engineering Institute Russian Federation
			Shpak	Dmitry Moscow Power Engineering Institute Russian Federation
			Zharkov	Alexandr Moscow Power Engineering Institute Russian Federation
			Briz	Fernando University of Oviedo Spain
16:30h	03919	T4.2-2	Analysis of discrete VS-PLL structure used for grid parameters estimation	
			Lubura	Slobodan University of East Sarajevo, Faculty of Electrical Engineering Bosnia and Herzegovina
			Ristovic Krstic	Milica University of East Sarajevo, Faculty of Electrical Engineering Bosnia and Herzegovina
			Lale	Srdjan University of East Sarajevo, Faculty of Electrical Engineering Bosnia and Herzegovina
			Soja	Milimir University of East Sarajevo, Faculty of Electrical Engineering Bosnia and Herzegovina
			Milosavljevic	Cedomir University of East Sarajevo, Faculty of Electrical Engineering Bosnia and Herzegovina
16:45h	04219	T4.2-3	Impedance Stability Assessment of Active Damping Strategies for LCL Grid-Connected Converters	
			Rodriguez-Diaz	Enrique Aalborg University Denmark
			Vasquez	Juan C. Aalborg University Denmark
			Guerrero	Josep M. Aalborg University Denmark
			Freijedo	Francisco D. EPFL - PEL Switzerland
17:00h	05219	T4.2-4	Modeling and Simulation of Controllable AC Series Resistive Load	
			Oliveira	Rafael G. Federal University of Itajuba, Institute of Systems Engineering and Information Technology Brazil
			Ferreira	Luis H. C. Federal University of Itajuba, Institute of Systems Engineering and Information Technology Brazil
			Ribeiro	Enio R. Federal University of Itajuba, Institute of Systems Engineering and Information Technology Brazil
17:15h	05819	T4.2-5	Fast and Efficient Placement of Fault Indicators Based on the Pattern Search Algorithm	
			Zeljковиć	Čedomir University of Banja Luka, Faculty of Electrical Engineering Bosnia and Herzegovina
			Mršić	Predrag University of Banja Luka, Faculty of Electrical Engineering Bosnia and Herzegovina
19:30h	GALA DINER			

Saturday, 21 Oct. 2017.

08:00 - 12:00h	HARD & SOFT Student Competition (Preliminaries)		FTS-Reading Hall	
08:00 - 12:00h	REGISTRATION			
10:00h	PLENARY Session - KN3	KEY-NOTE PAPERS	AMPHITHEATER	
	Chair:			
	Co-chair:			
10:00h	KN3-1	MVDC - TECHNOLOGIES AND SYSTEMS		
		Dujic	Drazen	EPFL - PEL
				Switzerland
10:40h	KN3-2	BMW ELECTRICAL DRIVES FOR BATTERY AND PLUG-IN HYBRID VEHICLES		
		Knezevic	Jovan	BMW Group
				Germany
11:20 - 11:30h	REFRESHMENT BREAK			
11:30h	SESSION -T7.2	RENEWABLE AND DISTRIBUTED ENERGY SOURCES	AMPHITHEATER	
	Chair:			
	Co-chair:			
11:30h	06819	T7.2-1	Computer-Aided Model Parameter Extraction of Photovoltaic Modules using SPICE	
			Gadjeva	Elissaveta
				Technical University of Sofia
			Hristov	Marin
				Technical University of Sofia
				Bulgaria
11:45h	03419	T7.2-2	Application of Mobile Solar OFF-grid Generator in Irrigation System - a case study	
			Majstorović	Milovan R.
				University of Belgrade, School of Electrical Engineering
			Despotović	Željko V.
				University of Belgrade, Mihajlo Pupin Institute
			Ristić	Leposava
				University of Belgrade, School of Electrical Engineering
				Serbia
12:00h	07719	T7.2-3	Techno-economic analysis of rooftop PV power plants in the Republic of Serbia	
			Savić	Nemanja
				University of Novi Sad, Faculty of Technical Sciences
			Katić	Vladimir
				University of Novi Sad, Faculty of Technical Sciences
			Milićević	Dragan
				University of Novi Sad, Faculty of Technical Sciences
			Dumnić	Boris
				University of Novi Sad, Faculty of Technical Sciences
			Katić	Nenad
				University of Novi Sad, Faculty of Technical Sciences
				Serbia
12:15h	08319	T7.2-4	Control of Electrical Generator used in Sigma Wave Energy Conversion System	
			Dumnic	Boris
				University of Novi Sad, Faculty of Technical Sciences
			Vukajlovic	Nikola
				University of Novi Sad, Faculty of Technical Sciences
			Vujkov	Barbara
				University of Novi Sad, Faculty of Technical Sciences
			Adzic	Evgenije
				University of Novi Sad, Faculty of Technical Sciences
			Popadic	Bane
				University of Novi Sad, Faculty of Technical Sciences
			Milicevic	Dragan
				University of Novi Sad, Faculty of Technical Sciences
			Katic	Vladimir
				University of Novi Sad, Faculty of Technical Sciences
			Corba	Zoltan
				University of Novi Sad, Faculty of Technical Sciences
			Jerkan	Dejan
				University of Novi Sad, Faculty of Technical Sciences
			Dragic	Mile
				Sigma Energy d. o. o.
			Hofman	Milan
				University of Belgrade
				Slovenia
				Serbia

11:30h	SESSION T4.3	CONTROL AND MESUREMENT IN POWER ELECTRONICS		HALL 1
Chair:				
Co-chair:				
11:30h	07219	T4.3-1	Group-Delay-Controlled Multiple-Resonator-Based Harmonic Analysis	
			Kušljević	Miodrag Termoelektro Enel ad Serbia
			Tomić	Josif University of Novi Sad, Faculty of Technical Sciences Serbia
			Poljak	Predrag Institute of Chemistry, Technology and Metallurgy Serbia
11:45h	07919	T4.3-2	Three channels device for current transformers accuracy testing	
			Naumovic Vukovic	Dragana Electrical Engineering Institute "Nikola tesla" Serbia
			Skundric	Slobodan Electrical Engineering Institute "Nikola tesla" Serbia
			Zigic	Aleksandar Electrical Engineering Institute "Nikola tesla" Serbia
12:00h	08019	T4.3-3	Multilevel converter with variable flying capacitor voltage used for virtual infinite capacitor	
			Lin	Jun Tel Aviv University Israel
			Weiss	George Tel Aviv University Israel
12:15h	08119	T4.3-4	Control of Rotary Exciter with Series and Separately Excitation Windings	
			Veinovic	Slavko University of Belgrade, Electrical Engineering Institute Nikola Tesla Serbia
			Stojic	Djordje University of Belgrade, Electrical Engineering Institute Nikola Tesla Serbia
			Joksimovic	Dusan University of Belgrade, Electrical Engineering Institute Nikola Tesla Serbia
			Klasnic	Ilija University of Belgrade, Electrical Engineering Institute Nikola Tesla Serbia
12:30h	CLOSING			
13:00 - 15:00h	Hard&Soft Student Competition – FINALE		AMPHITEATER	

XIX Savetovanje Energetska elektronika - Ee 2017
Mesto: Univerzitet u Novom Sadu - Centralna zgrada, Novi Sad
Preliminarni Program / Preliminary Program

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Updated: Sept 24, 2017

Sreda, 18 Okt. 2017.		
DOGAĐAJI PRE POČETKA KONFERENCIJE		
09:00 - 17:00h	Registracija Tutorijali // HARD & SOFT Studentsko takmičenje (Pripreme)	
09:30 - 10:00h	OTVARANJE - Tutorijali // HARD & SOFT Studentsko takmičenje	
10:00 - 13:30h	Tutorijal 2 // Tutorijal 4 (Osveženje u sali)	
13:30 - 14:00h	RUČAK	
14:30 - 18:00h	Tutorijal 1 // Tutorijal 3 (Osveženje u sali)	
18:30 - 20:30h	ZABAVA SA PIVOM (NS Craft Beers)	
KONFERENCIJA		
Četvrtak, 19 Okt. 2017.		
09:00 - 18:00h	HARD & SOFT Studentsko takmičenje (Pripreme)	FTN-Čitaonica
10:00 - 17:00h	REGISTRACIJA	
12:00h	PRIJEM UČESNIKA I GOSTIJU	
12:30h	PLENARY Session	OTVARANJE AMFITEATAR
Chair: Prof. Vladimir Katić, University of Novi Sad, Faculty of Technical Sciences, Novi Sad, Serbia Co-chair: dr Aleksandar Nikolić, Electrical Engineering Institute "Nikola Tesla", University of Belgrade, Belgrade, Serbia Co-chair:		
<ul style="list-style-type: none"> - Opening - Music - Greetings 		
DALJE PO PROGRAMU ZA 19th INTERNATIONAL SYMPOSIUM on POWER ELECTRONICS		
13:30h - 14:15h	RUČAK	
DALJE PO PROGRAMU ZA 19th INTERNATIONAL SYMPOSIUM on POWER ELECTRONICS		
18:30h - 20:30h	KOKTEL DOBRODOŠLICE	
Petak, 20 Okt. 2017.		
09:00 - 18:00h	HARD & SOFT Studentsko takmičenje (Pripreme)	FTN-Čitaonica
09:00 - 17:00h	REGISTRACIJA	
DALJE PO PROGRAMU ZA 19th INTERNATIONAL SYMPOSIUM on POWER ELECTRONICS		
19:30h	SVEČANA VEČERA	

Subota, 21 Okt. 2017.

08:00 - 12:00h HARD & SOFT Studentsko takmičenje (Pripreme) FTN-Čitaonica

08:00 - 12:00h REGISTRACIJA

	Id rada	Tema	Naslov rada i Autori	Država
08:00h	SESIJA - S1		ENERGETSKA ELEKTRONIKA: ELEKTRIČNI POGONI I OBNOVLJIVI IZVORI SALA 1.sprat	
Predsed.: Prof. Dr Goce Arsov, Univerzitet Sv. Kiril i Metodij, Skoplje, Makedonija				
Ko-Predsed.: Prof. Dr Vladimir Katić, Univerzitet u Novom Sadu, Novi Sad, Srbija				
08:00h	00621	S1-1	PRIMENA AUTOMATSKOG GENERISANJA KODA ZA KONTROLU PRETVARAČA POVEZANOG NA MREŽU Isakov Ivana Univerzitet u Novom Sadu, Fakultet tehničkih nauka Grabčić Stevan Univerzitet u Novom Sadu, Fakultet tehničkih nauka Todorović Ivan Univerzitet u Novom Sadu, Fakultet tehničkih nauka Janković Njegoš Univerzitet u Novom Sadu, Fakultet tehničkih nauka	Srbija Srbija Srbija Srbija
08:15h	00721	S1-2	SISTEMI ZA KONVERZIJU ENERGIJE MORSKIH TALASA U ELEKTRIČNU I ISTRAŽIVAČKE AKTIVNOSTI NA FTN-u Vujkov Barbara Univerzitet u Novom Sadu, Fakultet tehničkih nauka Dumnić Boris Univerzitet u Novom Sadu, Fakultet tehničkih nauka Popadić Bane Univerzitet u Novom Sadu, Fakultet tehničkih nauka Miličević Dragan Univerzitet u Novom Sadu, Fakultet tehničkih nauka Katić Vladimir Univerzitet u Novom Sadu, Fakultet tehničkih nauka	Srbija Srbija Srbija Srbija Srbija
08:30h	00221	S1-3	NOVI TRENDOWI U IZGRADNJI FN ELEKTRANA VELIKIH SNAGA Čorba Zoltan Univerzitet u Novom Sadu, Fakultet tehničkih nauka Katić Vladimir Univerzitet u Novom Sadu, Fakultet tehničkih nauka Dumnić Boris Univerzitet u Novom Sadu, Fakultet tehničkih nauka Miličević Dragan Univerzitet u Novom Sadu, Fakultet tehničkih nauka Popadić Bane Univerzitet u Novom Sadu, Fakultet tehničkih nauka	Srbija Srbija Srbija Srbija Srbija
08:45h	00121	S1-4	REALIZACIJA PRIRODNO HLAĐENOG 20kW ČETVOROKANALNOG PREDREGULATORA PODIZAČA NAPONA Ninković Predrag Elektrotehnički institut Nikola Tesla Lukić Milan Elektrotehnički institut Nikola Tesla	Srbija Srbija
09:00h	00321	S1-5	PRIMENA LABORATORIJSKOG SIMULATORA OPTEREĆENJA ZA ANALIZU RADA POGONA HORIZONTALNOG KRETANJA KRANA Utvić Milan Elektrotehnički fakultet, Univerzitet u Beogradu Bebić Milan Elektrotehnički fakultet, Univerzitet u Beogradu Jeftenić Borislav EMP Inženjering 2016 d.o.o.	Srbija Srbija Srbija
09:15h	00421	S1-6	CONTROLLING THE ČUK CONVERTER USING PIECEWISE LINEAR LYAPUNOV FUNCTIONS Lekić Aleksandra School of Electrical Engineering, University of Belgrade Stipanović Dušan Coordinated Science Laboratory, University of Illinois at Urbana-Champaign Petrović Nikola School of Electrical Engineering, University of Belgrade	Srbija SAD Srbija
09:30h	00521	S1-7	PRAKTIČNA REALIZACIJA 10KW HIBRIDNE FOTONAPONSKE ELEKTRANE Tošković Vladimir Univerzitet Donja Gorica Popović Tomo Univerzitet Donja Gorica	Crna Gora Crna Gora
09:45h	01021	S1-8	IEEE I ULOGA ISTRAŽIVAČA SA NAŠIH PROSTORA U NJEGOVOM RAZVOJU Goce Arsov Univerzitet Sv. Kiril i Metodij, Fakultet za Elektrotehniku i IT Vladimir Katić Univerzitet u Novom Sadu, Fakultet tehničkih nauka	Makedonija Srbija

DALJE PO PROGRAMU ZA 19th INTERNATIONAL SYMPOSIUM on POWER ELECTRONICS

12:30h ZATVARANJE SKUPA

12:30 - 13:00h GODIŠNJA SKUPŠTINA DRUŠTVA ZA ENERGETSKU ELEKTRONIKU
Prof. Katić Vladimir Predsednik Društva za energetska elektroniku, Novi Sad

13:00 - 15:00h HARD & SOFT STUDENTSKO TAKMIČENJE - FINALNE PREZENTACIJE AMFITEATAR