

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 11, 2017

Wednesday, 88 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 Meyer	Jan	Technische Universitaet Dresden	Germany
		Kilter	Jako	University of Technology Tallinn	Estonia
		Nikolic	Aleksandar	University of Belgrade	Serbia
		Milanovic	Jovica	University of Manchester	UK
		Papic	Igor	University of Ljubljana	Slovenia
		Djokic	Sasa	University of Edinburgh	UK

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		
		Abojla	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	India
			Weiss	George	Tel Aviv University	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	Iran
			Pakzad	Mohammadali	Islamic Azad University, Department of Electrical Engineering, Science and Research Branch	Iran
			Pakzad	Sara	Islamic Azad University, Departments of Electrical Engineering, South Tehran Branch	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	Chile
			Nikolic	Aleksandar	University of Belgrade, Electrical Engineering Institute Nikola Tesla	Serbia
			Tarisciotti	Luca	University of Nottingham	United Kingdom
			Wheeler	Pat	University of Nottingham	United Kingdom
15:00h	03019	T4.1-4	Conformal Mapping of Impedance Stability Models for System-Level Dynamics Assessments			
			Freijedo	Francisco D.	EPFL - PEL	Switzerland
			Javaid	Uzair	EPFL - PEL	Switzerland
			Dujic	Drazen	EPFL - PEL	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	Bosnia and Herzegovina
			Šoja	Milomir	University of East Sarajevo, Faculty of Electrical Engineering	Bosnia and Herzegovina
			Lubura	Slobodan	University of East Sarajevo, Faculty of Electrical Engineering	Bosnia and Herzegovina
15:30h	03219	T4.1-6	Plug-and-play realization of the virtual infinite capacitor			
			Lin	Jun	Tel Aviv University	Israel
			Weiss	George	Tel Aviv University	Israel
15:45h	03319	T4.1-7	Optimal scheduling of a household refrigerator using adaptive model predictive technique			
			Balint	Roland	University of Pannonia	Hungary
			Hangos	Katalin M.	Hungarian Academy of Sciences	Hungary
			Magyar	Attila	University of Pannonia	Hungary
16:00h	03719	T4.1-8	Experimental validation of a Non-linear Robust Controller for DC-DC boost converters			
			Markou	Achilleas	National Technical University of Athens (NTUA)	Greece
			Palaioiannis	Foivos	National Technical University of Athens (NTUA)	Greece
			Soldatos	Argiris	National Technical University of Athens (NTUA)	Greece
			Hatzigiorgiou	Nikos	National Technical University of Athens (NTUA)	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	Brazil
			Simoes	Marcelo G.	Colorado School of Mines	United States
			Moreno	Robson L.	UNIFEI	Brazil
			Ribeiro	Enio R.	UNIFEI	Brazil
16:45h	05119	T1.2-2	A New Hybrid Boost-L Converter			
			Pop-Călimanu	Ioana-Monica	Politehnica University Timișoara	Romania
			Renken	Folker	Jade University of Wilhelmshaven, Oldenburg, Elsfleth	Germany
			Lascu	Dan	Politehnica University Timișoara	Romania
			Lica	Septimiu	Politehnica University Timișoara	Romania
			Gurbina	Mircea	Politehnica University Timișoara	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
		Prejović	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.
				Serbia
				Serbia
				Serbia
				Serbia
				Serbia
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.
				Serbia
				Serbia
				Serbia
				Serbia
				Serbia
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
				Bulgaria
				Bulgaria
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
				Brazil
				Brazil
				Brazil
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
				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
				Turkey
				Turkey
				Turkey
				Turkey
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
				Spain
				United Kingdom
				United Kingdom
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
				Slovakia
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
				Spain
				Spain
				Spain
				Spain
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
				Serbia
				Serbia
				Serbia
				Serbia
				Serbia

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
		Kandemir Beser	Esra	Kocaeli University
				Turkey
				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
		Shousha	Mahmoud	Würth Elektronik eiSos GmbH
		Brooks	Michael	Würth Elektronik eiSos GmbH
		Haug	Martin	Würth Elektronik eiSos GmbH
		Petrovic	Tomislav	University of Niš, Faculty of Mechanical Engineering
				Germany
				Germany
				Germany
				Germany
				Serbia
18:00h	05619	T3.1-7	Vector Space Decomposition Algorithm for Asymmetrical Multiphase Machines	
		Zoric	Ivan	Liverpool John Moores University
		Jones	Martin	Liverpool John Moores University
		Levi	Emil	Liverpool John Moores University
				United Kingdom
				United Kingdom
				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
		Oros	Djura	University of Novi Sad, Faculty of Technical Sciences
		Matic	Petar	University of Banja Luka, Faculty of Electrical Engineering
		Marcetic	Darko	University of Novi Sad, Faculty of Technical Sciences
				Serbia
				Serbia
				Bosnia and Herzegovina
				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	Predrag Petrovic	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 Tan inci Tümay	Mehmet Adnan Mustafa 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 Arifoglu Beser Camur	Korhan Birol Ersoy 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 Mijalković	Vladimir 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 Katić Dumnić Popadić	Aleksandar M. Vladimir A. Boris P. 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 Radaković Majtal	Nikola Jovan 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 Li Mao	Wei Ping Jie 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 Yang Hua Guo Wu Ge	Wei Shuwen Liangliang Zhaorui Juan 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 Alexandridis	Panos Antonio University of Patras University of Patras	Greece Greece
09:45h	03419	T7.1-4	Application of Mobile Solar OFF-grid Generator in Irrigation System - a case study	Majstorović Despotović Ristić	Milovan R. Željko V. Lepasava University of Belgrade, School of Electrical Engineering University of Belgrade, Electrical Engineering Institute Nikola Tesla University of Belgrade, School of Electrical Engineering	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	Serbia
		Porobić	Vlado	University of Novi Sad, Faculty of Technical Sciences	Serbia
		Grabić	Stevan	University of Novi Sad, Faculty of Technical Sciences	Serbia
		Adžić	Evgenije	University of Novi Sad, Faculty of Technical Sciences	Serbia
		Zogogianni	Charoula	University of Patras	Greece
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	Serbia
		Adzic	Evgenije	University of Novi Sad, Faculty of Technical Sciences	Serbia
		Grabic	Stevan	University of Novi Sad, Faculty of Technical Sciences	Serbia
		Vekic	Marko	University of Novi Sad, Faculty of Technical Sciences	Serbia
		Rapaic	Milan	University of Novi Sad, Faculty of Technical Sciences	Serbia
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	Netherlands
		Venugopal	Prasanth	Delft University of Technology	Netherlands
		Bauer	Pavol	Delft University of Technology	Netherlands
12:00h	08219	IP1-2	Design for Reliability in Renewable Energy Systems		
		Blaabjerg	Frede	Aalborg University, Department of Energy Technology	Denmark
		Zhou	Dao	Aalborg University, Department of Energy Technology	Denmark
		Sangwongwanich	Ariya	Aalborg University, Department of Energy Technology	Denmark
		Wang	Huai	Aalborg University, Department of Energy Technology	Denmark
12:30h	01719	IP1-3	Large Wind Generators Design, Performance and Control: An Overview		
		Boldea	Ion	University Politehnica, Timisoara	Romania
		Popa (Moldovan)	Ana	University Politehnica, Timisoara	Romania
		Tutelea	Lucian	University Politehnica, Timisoara	Romania
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	USA
		Boldea	Ion	Politehnica of Timisoara	Romania
		Blasko	Vladimir	United Technologies Research Center	USA
		Blaabjerg	Frede	Aalborg University, Department of Energy Technology	Denmark
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 Magyar Hangos	Anna Attila Katalin University of Pannonia University of Pannonia Institute for Computer Science and Control Hungary Hungary Hungary
16:30h	04019	T2.1-2	Achieving Maximum Torque for Switched Reluctance Motor Drive over its Entire Speed Range Anuchin Lashkevich Aliamkin Briz	Alecksey Maxim Dmitry Fernando Moscow Power Engineering Institute Moscow Power Engineering Institute Moscow Power Engineering Institute University of Oviedo Russian Federation Russian Federation Russian Federation Spain
16:45h	05419	T2.1-3	Mechanical Arrangements Onboard Ship of Innovative Permanent Magnet Linear Actuators for Steering Gear Bruzzese Ruggeri Rafiei Zito Santini Mazzuca Lipardi	Claudio Enrico Mohamed Damiano Ezio Teresa Gennaro University of Rome, Dept. of Astronautical, Electrical and Energy Engineering (DAEEE), Rome University of Rome, Dept. of Astronautical, Electrical and Energy Engineering (DAEEE), Rome University of Rome, Dept. of Astronautical, Electrical and Energy Engineering (DAEEE), Rome University of Rome, Dept. of Astronautical, Electrical and Energy Engineering (DAEEE), Rome University of Rome, Dept. of Astronautical, Electrical and Energy Engineering (DAEEE), Rome General Staff of the Italian Navy Italian Ministry of Defense Rome, Italy 2nd Rep./Ship System- 4th Div./Propulsion and Energy, NAVARM, Italian Navy Rome, Italy Italy Italy Italy Italy Italy Italy Italy
17:00h	06119	T2.1-4	A New Discrete-time Super Twisting Control of a First Order Plant with Input Saturation Milosavljević Peruničić Petronijević Veselić	Čedomir Branislava Milutin Boban University of East Sarajevo, Faculty of Electrical Engineering University of Sarajevo, Faculty of Electrical Engineering University of Niš, Faculty of Electronic Engineering University of Niš, Faculty of Electronic Engineering Bosnia and Herzegovina Bosnia and Herzegovina Serbia Serbia
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 Astakhova Shpak Zharkov Briz	Alecksey Valentina Dmitry Alexandr Fernando Moscow Power Engineering Institute Moscow Power Engineering Institute Moscow Power Engineering Institute Moscow Power Engineering Institute University of Oviedo Russian Federation Russian Federation Russian Federation Russian Federation Spain
16:30h	03919	T4.2-2	Analysis of discrete VS-PLL structure used for grid parameters estimation Lubura Ristic Krstic Lale Soja Milosavljevic	Slobodan Milica Srdjan Milomir Cedomir University of East Sarajevo, Faculty of Electrical Engineering University of East Sarajevo, Faculty of Electrical Engineering University of East Sarajevo, Faculty of Electrical Engineering University of East Sarajevo, Faculty of Electrical Engineering University of East Sarajevo, Faculty of Electrical Engineering Bosnia and Herzegovina Bosnia and Herzegovina Bosnia and Herzegovina Bosnia and Herzegovina Bosnia and Herzegovina
16:45h	04219	T4.2-3	Impedance Stability Assessment of Active Damping Strategies for LCL Grid-Connected Converters Rodriguez-Diaz Vasquez Guerrero Freijedo	Enrique Juan C. Josep M. Francisco D. Aalborg University Aalborg University Aalborg University EPFL - PEL Denmark Denmark Denmark Switzerland
17:00h	05219	T4.2-4	Modeling and Simulation of Controllable AC Series Resistive Load Oliveira Ferreira Ribeiro	Rafael G. Luis H. C. Enio R. Federal University of Itajuba, Institute of Systems Engineering and Information Technology Federal University of Itajuba, Institute of Systems Engineering and Information Technology Federal University of Itajuba, Institute of Systems Engineering and Information Technology Brazil Brazil Brazil
17:15h	05819	T4.2-5	Fast and Efficient Placement of Fault Indicators Based on the Pattern Search Algorithm Zeljковиć Mršić	Čedomir Predrag University of Banja Luka, Faculty of Electrical Engineering University of Banja Luka, Faculty of Electrical Engineering Bosnia and Herzegovina 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	Drazen	EPFL - PEL Switzerland
10:40h	KN3-2	BMW ELECTRICAL DRIVES FOR BATTERY AND PLUG-IN HYBRID VEHICLES	Jovan	BMW Group Germany
		Knezevic		
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 Bulgaria
			Hristov	Marin Technical University of Sofia Bulgaria
11:45h	07519	T7.2-2	Future of High Power PV Plants – 1500V inverters	
			Čorba	Zoltan University of Novi Sad, Faculty of Technical Sciences Serbia
			Popadić	Bane University of Novi Sad, Faculty of Technical Sciences Serbia
			Katić	Vladimir University of Novi Sad, Faculty of Technical Sciences Serbia
			Dumnić	Boris University of Novi Sad, Faculty of Technical Sciences Serbia
			Miličević	Dragan University of Novi Sad, Faculty of Technical Sciences 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 Serbia
			Katić	Vladimir University of Novi Sad, Faculty of Technical Sciences Serbia
			Miličević	Dragan University of Novi Sad, Faculty of Technical Sciences Serbia
			Dumnić	Boris University of Novi Sad, Faculty of Technical Sciences Serbia
			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	
			Dumnić	Boris University of Novi Sad, Faculty of Technical Sciences Serbia
			Vukajlovic	Nikola University of Novi Sad, Faculty of Technical Sciences Serbia
			Vujkov	Barbara University of Novi Sad, Faculty of Technical Sciences Serbia
			Adzic	Evgenije University of Novi Sad, Faculty of Technical Sciences Serbia
			Popadić	Bane University of Novi Sad, Faculty of Technical Sciences Serbia
			Milicevic	Dragan University of Novi Sad, Faculty of Technical Sciences Serbia
			Katic	Vladimir University of Novi Sad, Faculty of Technical Sciences Serbia
			Corba	Zoltan University of Novi Sad, Faculty of Technical Sciences Serbia
			Jerkan	Dejan University of Novi Sad, Faculty of Technical Sciences Serbia
			Dragic	Mile Sigma Energy d. o. o. Slovenia
			Hofman	Milan University of Belgrade 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 Separely 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	