

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: Oct. 08, 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

09:30h	PLENARY Session	OPENING CEREMONY	Central builidng UNS-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: Prof. Dušan Boroyevich, Virginia Tech, Blacksburg, USA

- Opening
- Music
- Greetings

10:00h	PLENARY Session - KN	KEY-NOTE PAPERS	Central builidng UNS-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

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

11:30h	SESSION - PN1	Panel SESSION	Central builidng UNS-AMPHITHEATER
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Chair: Prof. Jan Mayer, Technioshe University, Dresden, Germany
 Co-chair: Prof. Jovica Milanovic, The University of Manchester, Manchester, United Kingdom

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	United Kingdom
			Papic	Igor	University of Ljubljana	Slovenia
			Djokic	Sasa	University of Edinburgh	United Kingdom

13:30h - 14:15h LUNCH BREAK

14:15h	SESSION -T1.1	POWER CONVERTERS AND DEVICES	Central building UNS-AMPHITHEATER	
	Chair:	Dragan Jovcic, University of Aberdeen, United Kingdom		
	Co-chair:	Stevan Grabic, University of Novi Sad, Faculty of Technical Sciences, Novi Sad, Serbia		
14:15h	01519	T1.1-1	Stability norms control using the virtual impedance concept for power frequency applications	
		Abojlala	Khaled	University of Strathclyde, Department of Electronic and Electrical Engineering United Kingdom
		Holliday	Derrick	University of Strathclyde, Department of Electronic and Electrical Engineering United Kingdom
		Xu	Lie	University of Strathclyde, Department of Electronic and Electrical Engineering United Kingdom
14:30h	01619	T1.1-2	Electric-Field-Coupled Single-Wire Power Transmission — Analytical Model and Experimental Demonstration	
		Chen	Xiyu	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 HVDC Operation in Normal and DC Fault Conditions	
		Jovcic	Dragan	University of Aberdeen, School of Engineering, King's College United Kingdom
		Lin	Weixing	University of Aberdeen, School of Engineering, King's College United Kingdom
		Nguefeu	Samuel	Réseau de Transport d'Electricité France
		Saad	Hani	Réseau de Transport d'Electricité France
15:00h	02219	T1.1-4	Dynamic Simulation Model of a Quasi-Z-Source Inverter with Parasitic Resistances and Saturable Inductor	
		Basić	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	Fraunhofer Institute for Integrated Systems and Device Technology / 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, School of Engineering United Kingdom
		Jovcic	Dragan	University of Aberdeen, School of Engineering United Kingdom
		Hajian	Masood	University of Aberdeen, School of Engineering 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	Ecole Polytechnique Federale de Lausanne, Power Electronics Laboratory 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, Department of Electrical Engineering Pakistan
		Saleem	Jawad	COMSATS Institute Of Information Technology, Department of Electrical Engineering Pakistan
		Abbas	Qamar	COMSATS Institute Of Information Technology, Department of Electrical Engineering Pakistan
		Todorovic	Ivan	University of Novi Sad, Faculty of Technical Sciences Serbia
		Majid	Abdul	COMSATS Institute Of Information Technology, Department of Electrical Engineering Pakistan

14:15h		SESSION T4.1	CONTROL AND MESUREMENT IN POWER ELECTRONICS - 1		Central buildng UNS-HALL 1		
		Chair:	Darko Marcetic, University of Novi Sad, faculty of Technical Sciences, Novi Sad, Serbia				
		Co-chair:					
14:15h	00419	T4.1-1	Modifications to the synchronverter algorithm to improve its stability and performance	Weiss	George	Tel Aviv University, School of Electrical Engineering	Israel
			Natarajan	Vivek	Indian Institute of Technology Bombay, Systems and Control Engineering Group		India
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		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, Faculty of Engineering	Chile
			Nikolic	Aleksandar	University of Belgrade, Electrical Engineering Institute Nikola Tesla		Serbia
			Tarisciotti	Luca	University of Nottingham, Dep. of Electrical and Electronic Engineering		United Kingdom
			Wheeler	Pat	University of Nottingham, Dep. of Electrical and Electronic Engineering		United Kingdom
15:00h	03019	T4.1-4	Conformal Mapping of Impedance Stability Models for System-Level Dynamics Assessments	Freijedo	Francisco D.	Ecole Polytechnique Federale de Lausanne, Power Electronics Laboratory	Switzerland
			Javaid	Uzair	Ecole Polytechnique Federale de Lausanne, Power Electronics Laboratory		Switzerland
			Dujic	Drazen	Ecole Polytechnique Federale de Lausanne, Power Electronics Laboratory		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
			Soja	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, School of Electrical Engineering	Israel
			Weiss	George	Tel Aviv University, School of Electrical Engineering		Israel
15:45h	03319	T4.1-7	Optimal scheduling of a household refrigerator using adaptive model predictive technique	Bálint	Roland	University of Pannonia, Faculty of Information Technology	Hungary
			Hangos	Katalin M.	Hungarian Academy of Sciences, Institute for Computer Science and Control		Hungary
			Magyar	Attila	University of Pannonia, Faculty of Information Technology		Hungary
16:00h	03719	T4.1-8	Experimental validation of a Non-linear Robust Controller for DC-DC boost converters	Markou	Achilleas	National Technical Univ. of Athens (NTUA), School of Electrical and Computer Engin.	Greece
			Palaogiannis	Foivos	National Technical Univ. of Athens (NTUA), School of Electrical and Computer Engin.		Greece
			Soldatos	Argiris	National Technical Univ. of Athens (NTUA), School of Electrical and Computer Engin.		Greece
			Hatziargyriou	Nikos	National Technical Univ. of Athens (NTUA), School of Electrical and Computer Engin.		Greece
16:15 - 16:30h		REFRESHMENT BREAK					
16:30h		SESSION -T1.2	POWER CONVERTERS AND DEVICES		Central buildng UNS-AMPHITHEATER		
		Chair:	Predrag Pejovic, University of Belgrade, School of Electrocal Engineering, Belgrade, Serbia				
		Co-chair:					
16:30h	05119	T1.2-1	A New Hybrid Boost-L Converter	Pop-Călimanu	Ioana-Monica	Politehnica University Timișoara, Department of Applied Electronics	Romania
			Renken	Folker	Jade University of Wilhelmshaven, Oldenburg, Elsfleth, Dep. of Engin., Autom. and PE		Germany
			Lascu	Dan	Politehnica University Timișoara, Department of Applied Electronics		Romania
			Lica	Septimiu	Politehnica University Timișoara, Department of Applied Electronics		Romania
			Gurbina	Mircea	Politehnica University Timișoara, Department of Applied Electronics		Romania

SESSION -T1.2		POWER CONVERTERS AND DEVICES		Central building UNS-AMPHITHEATER	
Chair:		Predrag Pejovic, University of Belgrade, School of Electrical Engineering, Belgrade, Serbia			
Co-chair:					
16:45h	05319	T1.2-2	Design consideration for high frequency LLC resonant converter with matrix transformer		
			Pajnić	Milan	University of Belgrade, School of Electrical Engineering Serbia
			Pejović	Predrag	University of Belgrade, School of Electrical Engineering Serbia
			Despotović	Željko	University of Belgrade, Mihajlo Pupin Institute Serbia
			Lazić	Miroslav	Institute Iritel a.d. Serbia
			Skender	Miodrag	Institute Iritel a.d. Serbia
17:00h	05719	T1.2-3	Characterization and Gate Drive Design of High Voltage Cascode GaN HEMT		
			Pajnić	Milan	University of Belgrade, School of Electrical Engineering Serbia
			Pejović	Predrag	University of Belgrade, School of Electrical Engineering Serbia
			Despotović	Željko	University of Belgrade, Mihajlo Pupin Institute Serbia
			Lazić	Miroslav	Institute Iritel a.d. Serbia
			Skender	Miodrag	Institute Iritel a.d. Serbia
17:15h	06019	T1.2-4	Reliability Of Power Supplies For Induction Heating Through An Analysis Of The States In Operating Modes		
			Prodanov	Prodan	Technical University of Gabrovo, Department of Electronics Bulgaria
			Dankov	Dobroslav	Technical University of Gabrovo, Department of Electronics Bulgaria
17:30h	07019	T1.2-5	A Modified Line-Commutated Inverter for Grid-Connected Photovoltaic Systems with Voltage-Based Maximum Power Point Tracking Method		
			Unlu	Murat	Kocaeli University, Department of Electrical Engineering Turkey
			Çamur	Sabri	Kocaeli University, Department of Electrical Engineering Turkey
			Beşer	Ersoy	Kocaeli University, Department of Electrical Engineering Turkey
			Arifoğlu	Biröl	Kocaeli University, Department of Electrical Engineering Turkey
16:30h		SESSION T3.1		ELECTRICAL MACHINES	
Chair:		Emil Levi, Liverpool John Moores University, United Kingdom			
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 S. A., Windpower R&D Department Spain
			Levi	Emil	Liverpool John Moores University, Faculty of Engineering and Technology United Kingdom
			Jones	Martin	Liverpool John Moores University, Faculty of Engineering and Technology 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, Faculty of Electrical Engineering and Informatics Slovakia
17:00h	03619	T3.1-3	Rotor slot harmonics based induction machine speed estimation		
			Popadic	Bane	University of Novi Sad, Faculty of Technical Sciences Serbia
			Vasic	Veran	University of Novi Sad, Faculty of Technical Sciences Serbia
			Dumnic	Boris	University of Novi Sad, Faculty of Technical Sciences Serbia
			Milicevic	Dragan	University of Novi Sad, Faculty of Technical Sciences Serbia
			Vukajlovic	Nikola	University of Novi Sad, Faculty of Technical Sciences Serbia

SESSION T3.1		ELECTRICAL MACHINES		Central buildng UNS-HALL 1	
Chair:		Emil Levi, Liverpool John Moores University, United Kingdom			
Co-chair:					
17:15h	05519	T3.1-4	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 / Cairo University, Faculty of Engineering Germany
			Brooks	Michael	Würth Elektronik eiSos GmbH Germany
			Haug	Martin	Würth Elektronik eiSos GmbH Germany
			Petrovic	Tomislav	University of Niš, Faculty of Mechanical Engineering Serbia
17:30h	05619	T3.1-5	Vector Space Decomposition Algorithm for Asymmetrical Multiphase Machines		
			Zoric	Ivan	Liverpool John Moores University, Faculty of Engineering and Technology United Kingdom
			Jones	Martin	Liverpool John Moores University, Faculty of Engineering and Technology United Kingdom
			Levi	Emil	Liverpool John Moores University, Faculty of Engineering and Technology United Kingdom
17:45h	07119	T3.1-6	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
16:30h	SESSION IND.1	INDUSTRY SESSION		Central buildng UNS-ENTRANCE REAR HALL	
Chair:		Boris Dumnic, University of Novi Sad, Faculty of Technical Sciences, Novi Sad, Serbia			
Co-chair:		Dragan Milicevic, University of Novi Sad, Faculty of Technical Sciences, Novi Sad, Serbia			
16:30h	IND.1-1	DESIGN ACTIVITIES OF THE CENTER FOR RENEWABLE ENERGY AND POWER QUALITY			
			Dumnic	Boris	University of Novi Sad, Faculty of Technical Sciences Serbia
17:15h	IND.1-2	IEEE CHAPTER DEVELOPMENT OPPORTUNITIES			
			Katic	Vladimir A.	University of Novi Sad, Faculty of Technical Sciences IEEE PELS Regional Chair Serbia
18:00h - 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			
09:15h	SESSION -T6.1	POWER QUALITY	Central builidng UNS-AMPHITHEATER	
	Chair:			
	Co-chair:			
09:15h	00819	T6.1-1	Power Harmonics Estimation Based on Analytical Signal Concept Petrovic Predrag	University of Kragujevac, Faculty of Technical Sciences, Cacak Serbia
09:30h	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, Electrical and Electronics Engineering Turkey Çukurova University, Electrical and Electronics Engineering Turkey Çukurova University, Electrical and Electronics Engineering Turkey Çukurova University, Electrical and Electronics Engineering Turkey
09:45h	04919	T6.1-3	POWER QUALITY DATA LOGGER WITH INTERNET ACCESS Mitrović Vladimir Mijalković Milan	The School of Electrical and Computer Engineering of Applied Studies Serbia The School of Electrical and Computer Engineering of Applied Studies Serbia
10:00h	06319	T6.1-4	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 Serbia University of Novi Sad, Faculty of Technical Sciences Serbia University of Novi Sad, Faculty of Technical Sciences Serbia University of Novi Sad, Faculty of Technical Sciences Serbia
10:15h	07319	T6.1-5	Power Factor Correction of Electric Arc Furnace Using Active and Passive Compensation Laketić Nikola Radaković Jovan Majtal Zoltan	Avalon Partners d.o.o. Serbia Operator Distributivnog Sistema, Ogranak Subotica Serbia Termovent SC Livnica Čelika AD Serbia
09:30h	SESSION -T7.1	RENEWABLE AND DISTRIBUTED ENERGY SOURCES	Central builidng UNS-HALL 1	
	Chair:			
	Co-chair:			
09:30h	02719	T7.1-1	Stabilizing the VSI response in microgrids via novel PI controllers Papageorgiou Panos Alexandridis Antonio	University of Patras, Department of Electrical and Computer Engineering Greece University of Patras, Department of Electrical and Computer Engineering Greece
09:45h	07519	T7.1-2	Future of High Power PV Plants – 1500V inverters Čorba Zoltan Popadić Bane Katić Vladimir Dumnić Boris Milličević Dragan	University of Novi Sad, Faculty of Technical Sciences Serbia University of Novi Sad, Faculty of Technical Sciences Serbia University of Novi Sad, Faculty of Technical Sciences Serbia University of Novi Sad, Faculty of Technical Sciences Serbia University of Novi Sad, Faculty of Technical Sciences Serbia
10:00h	06419	T7.1-3	Explicit Active Power Reference Tracking Algorithm for Photovoltaic Converter Vekić Marko Porobić Vlado Grabić Stevan Adžić Evgenije Zogogianni Charoula	University of Novi Sad, Faculty of Technical Sciences Serbia University of Novi Sad, Faculty of Technical Sciences Serbia University of Novi Sad, Faculty of Technical Sciences Serbia University of Novi Sad, Faculty of Technical Sciences Serbia University of Patras, Department of Electrical and Computer Engineering Greece
10:15h	06519	T7.1-4	Precise PV Active Power - Converter Control Rapid Prototyping Framework Porobic Vlado Adzic Evgenije Grabic Stevan Vekic Marko Rapaic Milan	University of Novi Sad, Faculty of Technical Sciences Serbia University of Novi Sad, Faculty of Technical Sciences Serbia University of Novi Sad, Faculty of Technical Sciences Serbia University of Novi Sad, Faculty of Technical Sciences Serbia University of Novi Sad, Faculty of Technical Sciences Serbia

10:30 - 10:50h	REFRESHMENT BREAK				
10:50h	PLENARY Session - KN	KEY-NOTE PAPERS	Central building UNS-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 - IP	INVITED PAPERS	Central building UNS-AMPHITHEATER		
	Chair:				
	Co-chair:				
11:30h	04119	IP1-1	Future of Electric Vehicle Charging		
			Chandra Mouli	Gautham Ram	Delft University of Technology, Dept. of Electrical Sustainable Energy
			Venugopal	Prasanth	Delft University of Technology, Dept. of Electrical Sustainable Energy
			Bauer	Pavol	Delft University of Technology, Dept. of Electrical Sustainable Energy
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	Central building UNS-AMPHITHEATER		
	Chair: Victor Stefanovic, V-S Drives Consulting, Afton, Virginia, USA				
	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	Central building UNS-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
			Magyar	Attila	University of Pannonia
			Hangos	Katalin	Institute for Computer Science and Control
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
			Peruničić	Branislava	University of Sarajevo, Faculty of Electrical Engineering
			Petronijević	Milutin	University of Niš, Faculty of Electronic Engineering
			Veselić	Boban	University of Niš, Faculty of Electronic Engineering

SESSION -T2.1		AUTOMOTIVE AND INDUSTRIAL DRIVES		Central building UNS-AMPHITHEATER	
Chair:					
Co-chair:					
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) Italy
			Ruggeri	Enrico	University of Rome, Dept. of Astronautical, Electrical and Energy Engineering (DAEEE) Italy
			Rafiei	Mohamed	University of Rome, Dept. of Astronautical, Electrical and Energy Engineering (DAEEE) Italy
			Zito	Damiano	University of Rome, Dept. of Astronautical, Electrical and Energy Engineering (DAEEE) Italy
			Santini	Ezio	University of Rome, Dept. of Astronautical, Electrical and Energy Engineering (DAEEE) Italy
			Mazzuca	Teresa	Italian Ministry of Defense Italy
			Lipardi	Gennaro	2nd Rep./Ship System- 4th Div./Propulsion and Energy, NAVARM, Italian Navy Italy
17:00h	04019	T2.1-4	Achieving Maximum Torque for Switched Reluctance Motor Drive over its Entire Speed Range		
			Anuchin	Alecksey	Moscow Power Engineering Institute, Department of Electric Drives Russian Federation
			Lashkevich	Maxim	Moscow Power Engineering Institute, Department of Electric Drives Russian Federation
			Aliamkin	Dmitry	Moscow Power Engineering Institute, Department of Electric Drives Russian Federation
			Briz	Fernando	University of Oviedo, Dep. of Electrical, Electronic, Computers and Systems Engineering Spain
16:15h	SESSION T4.2		CONTROL AND MESUREMENT IN POWER ELECTRONICS	Central building UNS-HALL 1	
Chair:		Evgenije Adzic, University of Novi Sad, Faculty of Technical Sciences, Novi Sad, Serbia			
Co-chair:					
16:15h	03819	T4.2-1	Optimized Method for Speed Estimation Using Incremental Encoder		
			Anuchin	Alecksey	Moscow Power Engineering Institute, Department of Electric Drives Russian Federation
			Astakhova	Valentina	Moscow Power Engineering Institute, Department of Electric Drives Russian Federation
			Shpak	Dmitry	Moscow Power Engineering Institute, Department of Electric Drives Russian Federation
			Zharkov	Alexandr	Moscow Power Engineering Institute, Department of Electric Drives Russian Federation
			Briz	Fernando	University of Oviedo, Dep. of Electrical, Electronic, Computers and Systems Engineering 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	Milomir	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, Department of Energy Technology Denmark
			Vasquez	Juan C.	Aalborg University, Department of Energy Technology Denmark
			Guerrero	Josep M.	Aalborg University, Department of Energy Technology Denmark
			Frejedo	Francisco D.	Ecole Polytechnique Federale de Lausanne, Power Electronics Laboratory Switzerland
17:00h	05819	T4.2-4	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
16:30h -	SESSION IND.2		INDUSTRY SESSION	Central building UNS-ENTRANCE REAR HALL	
18:00h	Chair:		Stevan Grabic, University of Novi Sad, Faculty of Technical Sciences, Novi Sad, Serbia		
	Co-chair:		Zoran Ivanovic, University of Novi Sad, Faculty of Technical Sciences, Novi Sad, Serbia		
	IND.2-1		POWER ELECTRONICS SYSTEMS EMULATION USING TYPHOON HIL		
			Zuber	Dragan	Typhoon HIL Novi Sad Serbia
19:30h	GALA DINER				

11:30h	SESSION T4.3	CONTROL AND MESUREMENT IN POWER ELECTRONICS	Central builidng UNS-HALL 1
	Chair:		
	Co-chair:		
11:30h	07219	T4.3-1	Group-Delay-Controlled Multiple-Resonator-Based Harmonic Analysis
		Kušljević	Miodrag
		Tomić	Josif
		Poljak	Predrag
			Termoelektro Enel ad
			University of Novi Sad, Faculty of Technical Sciences
			Institute of Chemistry, Technology and Metallurgy, Dep. of Microelectronic Technolog.
			Serbia
			Serbia
			Serbia
11:45h	07919	T4.3-2	Three channels device for current transformers accuracy testing
		Naumovic Vukovic	Dragana
		Skundric	Slobodan
		Zigic	Aleksandar
			University of Belgrade, Electrical Engineering Institute Nikola Tesla
			University of Belgrade, Electrical Engineering Institute Nikola Tesla
			University of Belgrade, Electrical Engineering Institute Nikola Tesla
			Serbia
			Serbia
			Serbia
12:00h	08019	T4.3-3	Multilevel converter with variable flying capacitor voltage used for virtual infinite capacitor
		Lin	Jun
		Weiss	George
			Tel Aviv University, School of Electrical Engineering
			Tel Aviv University, School of Electrical Engineering
			Israel
			Israel
12:15h	08119	T4.3-4	Control of Rotary Exciter with Series and Separately Excitation Windings
		Veinovic	Slavko
		Stojic	Djordje
		Joksimovic	Dusan
		Klasnic	Ilija
			University of Belgrade, Electrical Engineering Institute Nikola Tesla
			University of Belgrade, Electrical Engineering Institute Nikola Tesla
			University of Belgrade, Electrical Engineering Institute Nikola Tesla
			University of Belgrade, Electrical Engineering Institute Nikola Tesla
			Serbia
			Serbia
			Serbia
			Serbia
12:30h	CLOSING		Central Building UNS-AMPHITHEATER
09:00 - 16:00h	Typhoon HIL Workshop		FTS - Hall Kula III Floor
13:00 - 15:00h	Hard&Soft Student Competition – FINALE		Central builidng UNS-AMPHITHEATER

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

www.dee.uns.ac.rs

Updated: Oct. 08, 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
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10:00 - 17:00h	REGISTRACIJA
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12:00h	PRIJEM UČESNIKA I GOSTIJU
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12:30h	PLENARY Session	OTVARANJE	Centralna zgrada UNS-AMFITEATAR
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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: Prof. Dušan Boroyevich, Virginia Tech, Blacksburg, USA

- Opening

- Music

- Greetings

DALJE PO PROGRAMU ZA 19th INTERNATIONAL SYMPOSIUM on POWER ELECTRONICS

13:30h - 14:15h	RUČAK
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DALJE PO PROGRAMU ZA 19th INTERNATIONAL SYMPOSIUM on POWER ELECTRONICS

18:30h - 20:30h	KOKTEL DOBRODOŠLICE
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Petak, 20 Okt. 2017.

09:00 - 18:00h	HARD & SOFT Studentsko takmičenje (Pripreme)	FTN-Čitaonica
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09:00 - 17:00h	REGISTRACIJA
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DALJE PO PROGRAMU ZA 19th INTERNATIONAL SYMPOSIUM on POWER ELECTRONICS

19:30h	SVEČANA VEČERA
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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, POGONI I OBNOVLJIVI IZVORI Centralna zgrada UNS-AMFITEATAR	
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 Milićević 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 TRENDOVI 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 Milićević Dragan Univerzitet u Novom Sadu, Fakultet tehničkih nauka Popadić Bane Univerzitet u Novom Sadu, Fakultet tehničkih nauka	Srbija Srbija Srbija Srbija Srbija
08:45h	01121	S1-4	MODELOVANJE NAPONSKO-REAKTIVNIH KARAKTERISTIKA ELEKTROENERGETSKE MREŽE ZA POTREBE TESTIRANJA I UPRAVLJANJA U REALNOM VREMENU Dragosavac Jasna Univerzitet u Beogradu, Elektrotehnički institut Nikola Tesla Janda Žarko Univerzitet u Beogradu, Elektrotehnički institut Nikola Tesla	Srbija Srbija
09:00h	00321	S1-5	PRIMENA LABORATORIJSKOG SIMULATORA OPTEREĆENJA ZA ANALIZU RADA POGONA HORIZONTALNOG KRETANJA KRANA Utvić Milan Univerzitet u Beogradu, Elektrotehnički fakultet Bebić Milan Univerzitet u Beogradu, Elektrotehnički fakultet 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 University of Belgrade, School of Electrical Engineering Stipanović Dušan Coordinated Science Laboratory, University of Illinois at Urbana-Champaign Petrović Nikola University of Belgrade, School of Electrical Engineering	Srbija SAD Srbija
09:30h	00521	S1-7	PRAKTIČNA REALIZACIJA 10KW HIBRIDNE FOTONAPONSKE ELEKTRANE Tošković Vladimir Univerzitet Donja Gorica, Fakultet za informacione sisteme i tehnologije Popović Tomo Univerzitet Donja Gorica, Fakultet za informacione sisteme i tehnologije	Crna Gora Crna Gora
09:45h	01021	S1-8	IEEE I ULOGA ISTRAŽIVAČA SA NAŠIH PROSTORA U NJEGOVOM RAZVOJU Arsov Goce Univerzitet Sv. Kiril i Metodij, Fakultet za Elektrotehniku i IT Katić Vladimir 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 Centralna zgrada UNS-AMFITEATAR