

19th International Symposium on Power Electronics - Ee2017

Venue: University of Novi Sad - Central Building, Novi Sad, Serbia

Preliminarni Program / Preliminary Program

Updated: Oct. 13, 2017

Wednesday, 18 Oct. 2017.

PRE-CONFERENCE EVENTS

09:00 - 17:00h	Tutorials Registration // HARD & SOFT Student Competition (Preliminaries)	FTS-Ceremonial Hall
09:30 - 10:00h	OPENING - Tutorials // Hard&Soft Student Competition	FTS-Ceremonial Hall
10:00 - 13:30h	Tutorial 2 // Tutorial 4 (Refreshment in hall)	FTS-Kula, 3rd Floor, Room 301 // FTS-ITC, 3rd Floor Amphiteater
13:30 - 14:00h	LUNCH	
14:30 - 18:00h	Tutorial 1 // Tutorial 3 (Refreshment in hall)	FTS-Block F, 3rd Floor, Room 319 // FTS-Kula, 3rd Floor, Room 301
18:30 - 20:30h	BEER PARTY (NS Craft Beers)	

CONFERENCE

Time	Paper Id	Session	Paper title / Authors:family name	Authors: name	Affiliation	State
------	----------	---------	-----------------------------------	---------------	-------------	-------

Thursday, 19 Oct. 2017.

09:00 - 18:00h	HARD & SOFT Student Competition (Preliminaries)	FTS-Reading Hall
----------------	---	------------------

09:00 - 18:00h REGISTRATION

09:30h	PLENARY Session	OPENING CEREMONY	Central building UNS-AMPHITHEATER
--------	-----------------	------------------	-----------------------------------

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 - KN1	KEY-NOTE PAPERS	Central building UNS-AMPHITHEATER
--------	-----------------------	-----------------	-----------------------------------

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 building UNS-AMPHITHEATER
--------	---------------	---------------	-----------------------------------

Chair:	Prof. Jan Meyer, 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
		Holliday	Derrick	University of Strathclyde, Department of Electronic and Electrical Engineering
		Xu	Lie	University of Strathclyde, Department of Electronic and Electrical Engineering
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
		Chen	Jianhui	Dalian University of Technology, School of Electrical Engineering
		Li	Guanlin	Dalian University of Technology, School of Electrical Engineering
		Mu	Xianmin	Dalian University of Technology, School of Electrical Engineering
		Qi	Chen	Dalian University of Technology, School of Electrical Engineering
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
		Lin	Weixing	University of Aberdeen, School of Engineering, King's College
		Nguefeu	Samuel	Réseau de Transport d'Electricité
		Saad	Hani	Réseau de Transport d'Electricité
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
		Vukadinović	Dinko	University of Split, Faculty of Electrical Engineering, Mechanical Engineering, and Naval Architecture
		Polić	Miljenko	University of Split, Faculty of Electrical Engineering, Mechanical Engineering, and Naval Architecture
15:15h	02419	T1.1-5	Stress Reduction in High Voltage MIS Capacitor Fabrication	
		Banzhaf	Stephanie	Robert Bosch GmbH
		Kenntner	Johannes	Robert Bosch GmbH
		Grieb	Michael	Robert Bosch GmbH
		Schwaiger	Stephan	Robert Bosch GmbH
		Erlbacher	Tobias	Fraunhofer Institute for Integrated Systems and Device Technology
		Bauer	Anton	Fraunhofer Institute for Integrated Systems and Device Technology
		Frey	Lothar	Fraunhofer Institute for Integrated Systems and Device Technology / University of Erlangen-Nuremberg, Chair of Electron Devices
15:30h	02519	T1.1-6	DC Bus Strength in DC Grid Protection	
		Zaja	Mario	University of Aberdeen, School of Engineering
		Jovcic	Dragan	University of Aberdeen, School of Engineering
		Hajian	Masood	University of Aberdeen, School of Engineering
15:45h	02919	T1.1-7	High-Current Low-Voltage Power Supplies for Superconducting Magnets	
		Coulinge	Emilien	European Organization for Nuclear Research – CERN
		Burnet	Jean-Paul	European Organization for Nuclear Research – CERN
		Dujic	Drazen	Ecole Polytechnique Federale de Lausanne, Power Electronics Laboratory
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
		Saleem	Jawad	COMSATS Institute Of Information Technology, Department of Electrical Engineering
		Abbas	Qamar	COMSATS Institute Of Information Technology, Department of Electrical Engineering
		Todorovic	Ivan	University of Novi Sad, Faculty of Technical Sciences
		Majid	Abdul	COMSATS Institute Of Information Technology, Department of Electrical Engineering

14:15h	SESSION T4.1	CONTROL AND MESUREMENT IN POWER ELECTRONICS - 1	Central building UNS-HALL 1
	Chair:	Darko Marcetic, University of Novi Sad, faculty of Technical Sciences, Novi Sad, Serbia	
	Co-chair:	Karol Kyslan, Technical University of Kosice, Kosice, Slovakia	
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
	Natarajan	Vivek	Indian Institute of Technology Bombay, Systems and Control Engineering Group
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
	Pakzad	Sara	Islamic Azad University, Departments of Electrical Engineering, South Tehran Branch
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	Univesity of Talca,Faculty of Engineering
	Nikolic	Aleksandar	University of Belgrade, Electrical Engineering Institute Nikola Tesla
	Tarisciotti	Luca	University of Nottingham, Dep. of Electrical and Electronic Engineering
	Wheeler	Pat	University of Nottingham, Dep. of Electrical and Electronic Engineering
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
	Javaid	Uzair	Ecole Polytechnique Federale de Lausanne, Power Electronics Laboratory
	Dujic	Drazen	Ecole Polytechnique Federale de Lausanne, Power Electronics Laboratory
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
	Soja	Milomir	University of East Sarajevo, Faculty of Electrical Engineering
	Lubura	Slobodan	University of East Sarajevo, Faculty of Electrical Engineering
15:30h	03219 T4.1-6	Plug-and-play realization of the virtual infinite capacitor	
	Lin	Jun	Tel Aviv University, School of Electrical Engineering
	Weiss	George	Tel Aviv University, School of Electrical Engineering
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
	Hangos	Katalin M.	Hungarian Academy of Sciences,Institute for Computer Science and Control
	Magyar	Attila	University of Pannonia, Faculty of Information Technology
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.
	Palaioiannis	Foivos	National Technical Univ. of Athens (NTUA), School of Electrical and Computer Engin.
	Soldatos	Argiris	National Technical Univ. of Athens (NTUA), School of Electrical and Computer Engin.
	Hatzigiargyriou	Nikos	National Technical Univ. of Athens (NTUA), School of Electrical and Computer Engin.
16:15 - 16:30h	REFRESHMENT BREAK		
16:30h	SESSION -T1.2	POWER CONVERTERS AND DEVICES	Central building UNS-AMPHITHEATER
	Chair:	Goce Arsov, University St. Kiril and Metodij, FEIT, Skopje, Macedonia	
	Co-chair:	Petar Matić, University of Banja Luka, Faculty of Electrical Engineering, Bosmnia and Herzegovina	
16:30h	05119 T1.2-1	A New Hybrid Boost-L Converter	
	Pop-Călimanu	Ioana-Monica	Politehnica University Timișoara, Department of Applied Electronics
	Renken	Folker	Jade University of Wilhelmshaven, Oldenburg, Elsfleth, Dep. of Engin., Autom. and PE
	Lascu	Dan	Politehnica University Timișoara, Department of Applied Electronics
	Lica	Septimiu	Politehnica University Timișoara, Department of Applied Electronics
	Gurbina	Mircea	Politehnica University Timișoara, Department of Applied Electronics

SESSION -T1.2		POWER CONVERTERS AND DEVICES		Central building UNS-AMPHITHEATER	
Chair:		Goce Arsov, University St. Kiril and Metodij, FEIT, Skopje, Macedonia			
Co-chair:		Petar Matić, University of Banja Luka, Faculty of Electrical Engineering, Bosnia and Herzegovina			
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
			Pejović	Predrag	University of Belgrade, School of Electrical Engineering
			Despotović	Željko	University of Belgrade, Mihajlo Pupin Institute
			Lazić	Miroslav	Institute Iritel a.d.
			Skender	Miodrag	Institute Iritel a.d.
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
			Pejović	Predrag	University of Belgrade, School of Electrical Engineering
			Despotović	Željko	University of Belgrade, Mihajlo Pupin Institute
			Lazić	Miroslav	Institute Iritel a.d.
			Skender	Miodrag	Institute Iritel a.d.
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
			Dankov	Dobroslav	Technical University of Gabrovo, Department of Electronics
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
			Çamur	Sabri	Kocaeli University, Department of Electrical Engineering
			Beşer	Ersoy	Kocaeli University, Department of Electrical Engineering
			Arifoğlu	Biröl	Kocaeli University, Department of Electrical Engineering
16:30h	SESSION T3.1		ELECTRICAL MACHINES		Central building UNS-HALL 1
Chair:		Emil Levi, Liverpool John Moores University, United Kingdom			
Co-chair:		Evgenije Adžić, University of Novi Sad, Faculty of Technical Sciences, Novi Sad, Serbia			
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
			Levi	Emil	Liverpool John Moores University, Faculty of Engineering and Technology
			Jones	Martin	Liverpool John Moores University, Faculty of Engineering and Technology
16:45h	01919	T3.1-2	Torque Ripple Calculation of Two-Phase IM Supplied by Three-Leg VSI with PWM Output Voltage Control		
			Zaskalický	Pavel	Technical University of Kosice, Faculty of Electrical Engineering and Informatics
17:00h	03619	T3.1-3	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

SESSION T3.1		ELECTRICAL MACHINES		Central building UNS-HALL 1	
Chair:		Emil Levi, Liverpool John Moores University, United Kingdom			
Co-chair:		Evgenije Adžić, University of Novi Sad, Faculty of Technical Sciences, Novi Sad, Serbia			
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 building 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			
		Katić	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 building UNS-AMPHITHEATER	
	Chair:	Predrag Petrović, University of Kragujevac, Faculty of Technical Sciences, Cacak, Serbia		
	Co-chair:	Jovan Radaković, Distribution System Operator, Branch Subotica, Serbia		
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	Çukurova University, Electrical and Electronics Engineering Turkey
			Tan Adnan	Çukurova University, Electrical and Electronics Engineering Turkey
			inci Mustafa	Çukurova University, Electrical and Electronics Engineering Turkey
			Tümay Mehmet	Çukurova University, Electrical and Electronics Engineering Turkey
09:45h	04919	T6.1-3	POWER QUALITY DATA LOGGER WITH INTERNET ACCESS	
			Mitrović Vladimir	The School of Electrical and Computer Engineering of Applied Studies Serbia
			Mijalković Milan	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.	University of Novi Sad, Faculty of Technical Sciences Serbia
			Katić Vladimir A.	University of Novi Sad, Faculty of Technical Sciences Serbia
			Dumnić Boris P.	University of Novi Sad, Faculty of Technical Sciences Serbia
			Popadić Bane P.	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	Avalon Partners d.o.o. Serbia
			Radaković Jovan	Operator Distributivnog Sistema, Ogranak Subotica Serbia
			Majtal Zoltan	Termovent SC Livnica Čelika AD Serbia
09:30h	SESSION -T7.1	RENEWABLE AND DISTRIBUTED ENERGY SOURCES	Central building UNS-HALL 1	
	Chair:	Dražen Dujić, Ecole Polytechnique Federale de Lausanne, Power Electronics Laboratory, Lausanne, Switzerland		
	Co-chair:	Đorđe Stojić, Electrical Engineering Institute "Nikola Tesla", University of Belgrade, Belgrade, Serbia		
09:30h	02719	T7.1-1	Stabilizing the VSI response in microgrids via novel PI controllers	
			Papageorgiou Panos	University of Patras, Department of Electrical and Computer Engineering Greece
			Alexandridis Antonio	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	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
			Milićević Dragan	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	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, Department of Electrical and Computer Engineering Greece
10:15h	06519	T7.1-4	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	Central building UNS-AMPHITHEATER		
	Chair:	Jan Meyer, Technical University, Dresden, Germany			
	Co-chair:	Dr. Jasna Dragosavac, Electrical Engineering Institute "Nikola Tesla", University of Belgrade, Belgrade, Serbia			
10:50h	KN2-1	IMPACT OF SMART SOLUTIONS ON DISTRIBUTION NETWORK DEVELOPMENT	Victor	University of Manchester	United Kingdom
11:30h		PLENARY Session - IP1		INVITED PAPERS	
		Central building UNS-AMPHITHEATER			
		Chair: Prof. Frede Blaabjerg, Aalborg University, Department of Energy Technology, Aalborg, Denmark			
		Co-chair: Prof. Vladimir Katić, University of Novi Sad, Faculty of Technical Sciences, Novi Sad, Serbia			
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:	Prof. Ion Boldea, Politehnica of Timisoara, Timisoara, Romania			
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:	Jovan Knezevic, BMW Group, Munich, Germany			
	Co-chair:	Marko Vekic, University of Novi Sad, Faculty of Technical Sciences, Novi Sad, Serbia			
16:15h	02319	T2.1-1	Model identification and parameter estimation of lithium ion batteries for diagnostic purposes		
			Pözna	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:		Jovan Knezevic, BMW Group, Munich, Germany			
Co-chair:		Marko Vekic, University of Novi Sad, Faculty of Technical Sciences, Novi Sad, 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) 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	Aleksey	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
17:15h	02819	T2.1-5	Resistance Dissymmetry Localization Method based on Vector Space Decomposition Approach for Six-phase Induction Machines		
			Rios Garcia	Natalia	University of Malaga Spain
			Gonzalez Prieto	Ignacio	University of Malaga Spain
			Duran Martinez	Mario J.	University of Malaga Spain
			Barrero Garcia	Federico	University of Seville Spain
16:15h	SESSION T4.2		CONTROL AND MESUREMENT IN POWER ELECTRONICS		Central building UNS-HALL 1
Chair:		Goce Arsov, University St. Kiril and Metodij, Skopje, Makedonia			
Co-chair:		Vladimir Vukić, Electrical Engineering Institute "Nikola Tesla", University of Belgrade, Belgrade, Serbia			
16:15h	03819	T4.2-1	Optimized Method for Speed Estimation Using Incremental Encoder		
			Anuchin	Aleksey	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		
			Zeljkočić	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				

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	Central building UNS-AMPHITHEATER	
	Chair:	Prof. Borislav Jeftenić, State University of Novi Pazar, Serbia		
	Co-chair:	Prof. Veran Vasic, University of Novi Sad, Faculty of Technical Sciences, Novi Sad, Serbia		
10:00h	KN3-1	MVDC - TECHNOLOGIES AND SYSTEMS		
		Dujic	Drazen	Ecole Polytechnique Federale de Lausanne, Power Electronics Laboratory
				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	Central building UNS-AMPHITHEATER	
	Chair:	Boris Dumnic, 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		
11:30h	06819	T7.2-1	Computer-Aided Model Parameter Extraction of Photovoltaic Modules using SPICE	
		Gadjeva	Elissaveta	Technical University of Sofia, Department of Electronics
		Hristov	Marin	Technical University of Sofia, Department of Microelectronics
				Bulgaria
11:45h	03419	T7.2-2	Application of Mobile Solar OFF-grid Generator in Irrigation System - Case Study	
		Majstorović	Milovan R.	University of Belgrade, School of Electrical Engineering
		Despotović	Željko	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, Faculty of Mechanical Engineering
				Slovenia
				Serbia

11:30h	SESSION T4.3	CONTROL AND MESUREMENT IN POWER ELECTRONICS	Central builidng UNS-HALL 1
	Chair:	Zarko Janda, Electrical Engineering Institute "Nikola Tesla", University of Belgrade, Belgrade, Serbia	
	Co-chair:	Vlado Porobic, University of Novi Sad, Faculty of Technical Sciences, Novi Sad, Serbia	
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, Dep. of Microelectronic Technolog. Serbia
11:45h	07919	T4.3-2	Three channels device for current transformers accuracy testing
		Naumovic Vukovic	Dragana University of Belgrade, Electrical Engineering Institute Nikola Tesla Serbia
		Skundric	Slobodan University of Belgrade, Electrical Engineering Institute Nikola Tesla Serbia
		Zigic	Aleksandar University of Belgrade, 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, School of Electrical Engineering Israel
		Weiss	George Tel Aviv University, School of Electrical Engineering Israel
12:15h	08119	T4.3-4	Control of Rotary Exciter with Series and Separety 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	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. 13, 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 Centralna zgrada UNS-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:	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
-----------------	-------

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	SESIIJA - S1		ENERGETSKA ELEKTRONIKA, POGONI I OBNOVLJIVI IZVORI		Centralna zgrada UNS-AMFITEATAR
		Predsed.:	Goce Arsov, Univerzitet Sv. Kiril i Metodij, Skoplje, Makedonija		
		Ko-Predsed.:	Veran Vasić, Univerzitet u Novom Sadu, Fakultet tehničkih nauka, 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
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
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
			Milićević	Dragan	Univerzitet u Novom Sadu, Fakultet tehničkih nauka
			Popadić	Bane	Univerzitet u Novom Sadu, Fakultet tehničkih nauka
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	Zarko	Univerzitet u Beogradu, Elektrotehnički institut Nikola Tesla
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.
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
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
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

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