













22nd International Symposium on **POWER ELECTRONICS Ee 2023**



Novi Sad & Belgrade, Serbia

October 25th - 28th, 2023

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22nd International Symposium on POWER ELECTRONICS Ee 2023



Wednesday, 25 Oct. 2023. NOVI SAD

Time	Paper Id	Session	Paper title /	Author: Given name	Affiliation		State /
			Author: Family name				Venue
Wedne	esday, 2	5 Oct. 202	3.				
Venue:	Novi Sad	, Science and	l Technology Park (STP), F	ruškogorska 1, Novi Sad			
09:45 - 1	0:00h		OPENING OF THE TUTORI	ALS		Science and Tec	hnology Park (STP) - Hall 2
		Chair:	Prof. Vladimir Katić, Univ	ersity of Novi Sad, Faculty o	of Technical Sciences, Novi Sad, Serbia		
09:45h			Opening speech, Prof. Vla	dimir Katić, Univ. of Novi Sad	d & President of the Power Electronics Soc. of Serbia, Novi Sad, Serbia		
10:00 - 1	3:00h	TT-2:	Tutorial 2 (Coffee Break a	t 11:30h)		Science and Tec	hnology Park (STP) - Hall 2
		Chair:	Barbara Vujkov, Universit	y of Novi Sad, Faculty of Te	chnical Sciences, Novi Sad, Serbia		
			Regina Ramos				
			Universidad Politecnicade	Madrid, Center for Industria	al Electronics Madrid, Spain		
			"Overview of Wireless Pov	ver Transfer Systems and Th	neir Control and Application in Implantable Medical Devices"		
10:00 - 1	3:00h	TT-3:	Tutorial 3 (Coffee Break a	t 11:30h)			STP - Hall 3
		Chair:	Ivana Isakov, University o	f Novi Sad, Faculty of Techr	nical Sciences, Novi Sad, Serbia		
			Alecksey Anuchin				
			Moscow Power Engineering	ng Institute, Department of A	Automated Electric Drive, Moscow, Russian Federation		
			"Modern Methods for Pre	cise Speed Measurement in	Electric Drives"		
13:00h -	14:00h		LUNCH BREAK				
14:00			OPENING OF THE STUDEN	ITS COMPETITION "Control	in Power-CinP 2023"		STP - Hall 2
		Chair	Assoc. Prof. Stevan Grabi	ć, University of Novi Sad, Fa	aculty of Technical Sciences, Novi Sad, Serbia		
		Co-chair	Assist. Prof. Ivan Todorov	ić, University of Novi Sad, F	aculty of Technical Sciences, Novi Sad, Serbia		
14:00		CinP	Opening speech and the c	ompetition guidelines, Asso	c. Prof. Stevan Grabić, University of Novi Sad, Faculty of Technical Sciences, Novi S	ad, Serbia	
14:15 - 1	8:00h	CinP	Student competition, "Co	ntrol in Power - CinP 2023"	·		STP Laboratories



Thursday, 26 Oct. 2023. BELGRADE

07:30h		Departure from Novi Sad to Belgrade (bus)	Place of departure: Street Dr Sime Milosevica 16 (in fro	ont of the Faculty for Economics)
09:30h		BELGRADE Registration desk opens		
10:00h PLENAR	Y Session	OPENING OF THE CONFERENCE	Serbian Academy of Sci	ences and Arts - Ceremonial Hall
	Chair:	Prof. Vladimir Katić, University of Novi Sad, Faculty of Technical Science	s, Novi Sad, Serbia	
	Co-chair:	Prof. Dushan Boroyevich, Virginia Polytechnic Institute and State Unive	rsity, Blacksburg, United States	
	Co-chair:	Academician Prof. Slobodan Vukosavić, University of Belgrade/Serbian	Academy of Sciences and Arts, Belgrade, Serbia	
	IP0.1	Opening speech, Prof. Vladimir Katić, "50 years of the Ee symposium (19	73-2023)", Univ. of Novi Sad & President of the Power Electronics Soc. of Serb	ia, Novi Sad, Serbia
		Welcome speech, Academician Prof. Zoran Popović, Vice president of the	Serbian Academy of Sciences and Arts, Belgrade, Serbia	
		Welcome speech, Academician Prof. Slobodan Vukosavić, President of th	e Department of Technical Sciences SASA, Belgrade, Serbia	
		Welcome speech, Prof. Dr. Boris Dumnić, Acting dean of the Faculty of To	chnical Sciences of the University of Novi Sad, Novi Sad, Serbia	
		Welcome speech, Dr. Dragan Kovačević, Director of the Electrical Engine	ering Institute "Nikola Tesla", Belgrade, Serbia	
		Welcome speech and official opening of the Ee2023, Dr. Jelena Begović,	Minister, Ministry of Science, Technological Development and Innovation, Bel	grade, Serbia
		Dr. Žarko Janda, "History and Significance of the Ee Symposiums", Electri	cal Engineering Institute "Nikola Tesla", Belgrade, Serbia	
		Prof. Vladimir Katić, Awarding of Jubilee Charts		
		Welcome speech of the representative of the main supporting company,	TBD, ZF Serbia, Pančevo, Serbia	
		Prof. Vladimir Katić, A Brief Overview of the Ee 2023 Program		
10:45h PLENAR	Y Session - KN1	KEY-NOTE PAPERS	Serbian Academy of Sci	ences and Arts - Ceremonial Hall
	Chair:	Prof. Dushan Boroyevich, Virginia Polytechnic Institute and State University	rsity, Blacksburg, United States	
	Co-chair:	Academician Prof. Slobodan Vukosavić, University of Belgrade/Serbian	Academy of Sciences and Arts, Belgrade, Serbia	
10:45h	KN1.1	Power Semiconductor Development Trend - Challenges in Automotive	and Railway Applications -	
			d the German Academy of Science, Nuremberg	Germany
11:15h	KN1.2	Power Electronics Technology - Quo Vadis		
		Blaabjerg Frede University of Aal	porg, Aalborg	Denmark
11:45 - 12:00h		REFRESHMENT BREAK		
12:00h PLENAR	Y Session - KN2	KEY-NOTE PAPERS	Serbian Academy of Sci	ences and Arts - Ceremonial Hall
	Chair:	Prof. Frede Blaabjerg, University of Aalborg, Aalborg, Denmark		
	Co-chair:	Prof. Leo Lorenz, ECPE/Infineon and the German Academy of Science, N	uremberg, Germany	
12:00h 00838	KN2.1	MAGLEVs: an overview in 2023		
			my, Politehnica University Timisoara, Electrical Engineering Department	Romania
		·	my, Politehnica University Timisoara, Electrical Engineering Department	Romania
-			my, Politehnica University Timisoara, Electrical Engineering Department	Romania
12:30h	KN2.2	Advances in High-Frequency Power Conversion for Industrial Application		
			stitute of Technology, Cambridge	United States
13:00h	KN2.3	Power electronic solution to hardware and control issues of inverter-do	•	
			grade/Serbian Academy of Sciences and Arts, Belgrade	Serbia
13:30h - 14:30h		LUNCH BREAK		
14:30h		Visit to the Nikola Tesla Museum (Bus transfer depart)		
16:00h		Depart to welcome reception venue (Sr. Karlovci)		
18:00h		Welcome reception, Museum of Beekeeping and Wine cellar of the Ziva	nović family, Sr. Karlovci	
21:00h		Depart to Novi Sad		

Thursday, 26 Oct. 2023. NOVI SAD



Venue: Novi Sa	d, Science an	d Technology Park (STP), Fruškogorska 1, Novi Sad		
09:00h		NOVI SAD Registration desk opens		
10:00 - 17:30h		STUDENTS DAY (open for visits of university and hig	h-school students)	
10:00h		OPENING OF THE EXHIBITION		STP - Entrance Ha
	Chair:	Assoc. Prof. Stevan Cvetićanin, University of Novi Sa	d, Faculty of Technical Sciences, Novi Sad, Serbia	
	Co-chair:	Assoc. Prof. Nikola Vukajlović, University of Novi Sa	d, Faculty of Technical Sciences, Novi Sad, Serbia	
10:00h		Opening speech, Assoc. Prof. Stevan Cvetićanin, Univ	ersity of Novi Sad, Faculty of Technical Sciences, Novi Sad, Serbia	
10:00 - 17:30h		Exhibition in the hall		
09:00 - 16:00h		CinP-2023 Students competition (1st round – cont.)		STP Laboratorie
12:00 - 13:30h	IS1	Industry session: Supporting companies' presentation	ons	STP - Hall
	Chair:	Assoc. Prof. Stevan Cvetićanin, University of Novi Sa	d, Faculty of Technical Sciences, Novi Sad, Serbia	
	Co-chair:	Assoc. Prof. Nikola Vukajlović, University of Novi Sa	d, Faculty of Technical Sciences, Novi Sad, Serbia	
12:00h	IS1.1	The Future of E-Mobility with ZF		
		Ines Vojvodić Jovanović and Miloš Kukić	ZF Serbia, Pančevo	Serbia
12:30h	IS1.2	The elephant in the room		
		Andrija Gerić	Typhoon Hil, Inc., Novi Sad	Serbia
12:50h	IS1.3	How to start your career in automotive industry		
		Nikačević Milica and Zelenović Igor	Brose d.o.o., Pančevo	Serbia
13:10h	IS1.4	Infineon/IPCEI Presentation		
		Goran Mišković , Christina Wariwoda	Infineon Technologies Austria AG	Austria
13:30h - 13:50h		Coffee Break		
13:50 - 16:00h	IS2	Industry session (cont.): Supporting companies'		STP - Hall
	Chair:	Assoc. Prof. Stevan Cvetićanin, University of Novi Sa	d, Faculty of Technical Sciences, Novi Sad, Serbia	
	Co-chair:	Assoc. Prof. Nikola Vukajlović, University of Novi Sa	d, Faculty of Technical Sciences, Novi Sad, Serbia	
13:50h	IS2.1	The Bosch Group in Serbia		
		Erdeljan Zorka, Mijatović Milena and Nađa Dražović	Bosch	Serbia
14:10h	IS2.2	Contributing to the mobility for more than 6 years		
		Tasevski Jovica	Continental, Novi Sad	Serbia
14:20h	IS2.3	Renewable sources of energy in MIND Park		
		Đorić Darko	Mind Park, Kragujevac	Serbia
14:30h	IS2.4	Green Hydrogen and charging technology		
		Prole Nemanja	Origincharging technology and Nova Zona Pančevo	Serbia
14:40h	IS2.5	Electrical Institute Nikola Tesla Presentation		
		Dragana Naumović Vuković	University of Belgrade, Electrical Institute Nikola Tesla	Serbia
14:50h	IS2.6	Department of power, electronic and telecomunicat	ion engineering Presentation	
		Nataša Samardžić	University of Novi Sad, Faculty of Technical Sciences	Serbia
15:00h	IEEE	IEEE Membership development presentation (TBD)		STP - Hall
16:00h		CinP-2023 Competition (final round): CinP 2023:	FINALE	STP - Hall
18:00h		Welcome reception, Museum of beekeeping and wi	ne cellar of the Zivanović family, Sr. Karlovci	

Friday, 27 Oct. 2023. NOVI SAD



Venue: Novi Sa	d, Science an	d Technology Park (STP))			
08:30h SESSION	-T1.1	Power Converters and	devices			STP - Hall 2
	Chair:	Dr. Željko Despotović,	University of Belgrade,	, Mihailo Pupin Institute, Belgrade, Serbia		
	Co-chair:	Dr. Darko Vračar, BRU	ISA Elektronik, Muncher	n, Germany		
08:30h 01538	T1.1-1	Study of the application	on of wide-band transis	tors in inverter arc welders		
		Dankov	Dobroslav	Technical University of Gabrovo	Bulgaria	
		Marinov	Petko	Technical University of Gabrovo	Bulgaria	
		Prodanov	Prodan	Technical University of Gabrovo	Bulgaria	
08:45h 06438	T1.1-2	Autonomously Modul	ating Gate Drivers For T	Friangular-Current Mode (TCM) Zero-Voltage Switching (ZVS) Buck Converter		
		Abbas	Khizra	KTH Royal Institute of Technology	Sweden	
		Nee	Hans-Peter	KTH Royal Institute of Technology	Sweden	
		Kostov	Konstantin	RISE Research Institutes of Sweden	Sweden	
09:00h 00138	T1.1-3	Active-Clamped Flyba	ck Converter: Dynamic	Load and Cross-Regulation Aspects		
		Vračar	Darko	BRUSA Elektronik (München) GmbH	Germany	
09:15h 00638	T1.1-4	Digital control challen	ges in a single-phase CC	CM totem-pole PFC rectifier with GaN devices		
		Stanić	Luka	University of Belgrade, School of Electrical Engineering	Serbia	
		Despotović	Željko V.	University of Belgrade, Institute Mihjalo Pupin	Serbia	
		Pajnić	Milan	Research Division Power Electronics, Silicon Austria Labs (SAL)	Austria	
		Skender	Miodrag	IRITEL Institute, Department of Power Electronics	Serbia	
09:30h 00738	T1.1-5	A Realization of Synch	ronous Buck Power Cor	nverter for Energy Harvesting from Vibrations		
		Despotovic	Zeljko V.	University of Belgrade, Mihajlo Pupin Institue	Serbia	
		Vijatovic Petrovic	Mirjana	University of Belgrade, Institute for Multidisciplinary Research-Department of Materials Science	Serbia	
		Bobic	Jelena	University of Belgrade, Institute for Multidisciplinary Research-Department of Materials Science	Serbia	
09:45h 01938	T1.1-6	Design of a Modular N	Multilevel Converter wit	th 400 kWh of Integrated Batteries		
		Katzenburg	Niklas	Karlsruhe Institute of Technology	Germany	
		Kuhlmann	Kai	Aschaffenburg University of Applied Sciences	Germany	
		Leister	Lars	Karlsruhe Institute of Technology	Germany	
		Stefanski	Lukas	Karlsruhe Institute of Technology	Germany	
		Teigelkötter	Johannes	Aschaffenburg University of Applied Sciences	Germany	
		Hiller	Marc	Karlsruhe Institute of Technology	Germany	
08:30h SESSION	-T3.1	Electrical Machines				STP - Hall 3
	Chair:	Prof. Slobodan Lubura	a, University of East Sara	ajevo, Faculty of Electrical Engineering, East Sarajevo, Bosnia and Herzegovina		
	Co-chair:	Assoc. Prof. Dejan Jerl	kan, University of Novi	Sad, Faculty of Technical Sciences, Novi Sad, Serbia		
08:30h 03038	T3.1-1	ALA-rotor RSG 10MW,	, 480rpm-preliminary de	esign with 2Dkey FEM validations		
		Boldea	lon	University Politehnica Timisoara	Romania	
		Torac	Ileana	Romanian Academy Timisoara Branch	Romania	
		Tutelea	Lucian	University Politehnica Timisoara	Romania	
08:45h 05938	T3.1-2	Experimental determi	ination of equivalent pa	rameters of the cage rotor as slip functions		
		Moţ	Marțian	Politehnica University Timisoara, Electrical Engineering Department	Romania	
		Greconici	Marian	Politehnica University Timisoara, Electrical Engineering Department	Romania	
		Biriescu	Marius	Politehnica University Timisoara, Electrical Engineering Department	Romania	
		Madescu	Gheorghe	Politehnica University Timisoara, Electrical Engineering Department	Romania	

	-T6.1 Chair:	Power quality Prof. Slobodan Lubura, I	Iniversity of East Saraievo. Facu	ulty of Electrical Engineering, East Sarajevo, Bosnia and Herzegovina	STP -		
	Co-chair:			ty of Technical Sciences, Novi Sad, Serbia			
:00h 00238	T6.1-1	How to Improve Operation of Coal Power Plant?					
		Mirchevski	Slobodan "	"Ss Cyril and Methodius" University, Faculty of Electrical Engineering and Information Technologies	North Macedonia		
		Rafajlovski	Goran "	"Ss Cyril and Methodius" University, Faculty of Electrical Engineering and Information Technologies	North Macedonia		
		Vidanovski			North Macedonia		
15h 02038	T6.1-2			ted three-level T-type power converter with LCL filter			
		Miletic	-		Austria		
		Tarraso		- '	Spain		
		Tremmel		Austrian Institute of Technology GmbH	Austria		
		Banjac	•		Austria		
		Stöckl			Austria		
		Grbović		· · · · · · · · · · · · · · · · · · ·	Austria		
:30h 06238	T6.1-3	Test bench for evaluation	n of machine learning algorithm	ns applied to PQ parameters classification			
		Brestovacki	Lenka l	University of Novi Sad, Faculty of Technical Sciences	Serbia		
		Stanisavljevic	Aleksandar l	University of Novi Sad, Faculty of Technical Sciences	Serbia		
		Vasiljevic Toskic	Marko l	University of Novi Sad, Faculty of Technical Sciences	Serbia		
		Turovic	Radovan l	University of Novi Sad, Faculty of Technical Sciences	Serbia		
		Katic			Serbia		
		Dragan		University of Novi Sad, Faculty of Technical Sciences	Serbia		
:45h 04738	TC 1 /				Serbia		
:45N U4/38	T6.1-4		ics Course at the FTS, Universit				
		Damnjanović	•		Serbia		
		Babković			Serbia		
		Kisić	Milica l	University of Novi Sad, Faculty of Technical Sciences	Serbia		
:30h SESSION	-T5.1	Smart Power Electronics	Smart Grids, and Energy Stora	nge	STP -		
	Chair:	Assist. Prof. Aleksandar	Stanisavljević, University of No	vi Sad, Faculty of Technical Sciences, Novi Sad, Serbia			
	Co-chair:		dova, ITMO University, St. Pete				
:30h 03338	T5.1-1		•	e systems for Electric Transportation systems and their applicability to mobile robots			
05556		Jesacher			Austria		
		Bouvier			Austria		
		Hanschek			Austria		
		Stanojevic	Aleksandra (University of Innsbruck, Innsbruck Power Electronics Laboratory (i-pel)	Austria		
		Grbovic	Petar J. l	University of Innsbruck, Innsbruck Power Electronics Laboratory (i-pel)	Austria		
:45h 06638	T5.1-2	Enhancing stability of G	id-Following inverter for renew	vables			
		Gluščević	Jovana l	University of Belgrade, Electrical Institute Nikola Tesla	Serbia		
		Janda	Žarko l	University of Belgrade, Electrical Institute Nikola Tesla	Serbia		
		Dragosavac			Serbia		
		Ristić			Serbia		
OOL CECCION	T7 4		<u> </u>	offiversity of beignade, school of Electrical Engineering			
9:00h SESSION		Renewable & distribute		10 LT 10 CT 1 L 10 L 10 L 10 L 11	STP -		
	Chair:			vi Sad, Faculty of Technical Sciences, Novi Sad, Serbia			
	Co-chair:		dova, ITMO University, St. Pete				
9:00h 02138	T7.1-1	High Efficient Maximum	Power Point Tracking for Multi	iple Solar Strings with GaN-Based HiLEM Circuit			
		Becker	Marcus I	Karlsruhe Institute of Technology	Germany		
		Stefanski	Lukas F	Karlsruhe Institute of Technology	Germany		
		Hiller	Marc	Karlsruhe Institute of Technology	Germany		
	T7.1-2		ine Control System Based on N	MPPT Approaches			
9:15h 02338		Small Magnus Wind Tur		**	Russian Federation		
:15h 02338	17.1-2	Small Magnus Wind Tur	· · · · · · · · · · · · · · · · · · ·	LINIO University			
9:15h 02338	17.1-2	Lukin	Aleksandr I	•			
9:15h 02338	17.1-2	Lukin Demidova	Aleksandr I Galina I	ITMO University	Russian Federation		
9:15h 02338	17.1-2	Lukin Demidova Poliakov	Aleksandr I Galina I Nikolai I	ITMO University ITMO University	Russian Federation Russian Federation		
:15h 02338	17.1-2	Lukin Demidova Poliakov Rezaeva	Aleksandr I Galina I Nikolai I Maria I	ITMO University ITMO University ITMO University	Russian Federation Russian Federation Russian Federation		
:15h 02338	17.1-2	Lukin Demidova Poliakov	Aleksandr I Galina I Nikolai I Maria I	ITMO University ITMO University ITMO University ITMO University	Russian Federation Russian Federation		
:15h 02338	17.1-2	Lukin Demidova Poliakov Rezaeva	Aleksandr I Galina I Nikolai I Maria I	ITMO University ITMO University ITMO University ITMO University	Russian Federation Russian Federation Russian Federation		
	T7.1-3	Lukin Demidova Poliakov Rezaeva Zhdanov Lukichev	Aleksandr I Galina I Nikolai I Maria I Ivan I Dmitry I	ITMO University ITMO University ITMO University ITMO University	Russian Federation Russian Federation Russian Federation Russian Federation		
		Lukin Demidova Poliakov Rezaeva Zhdanov Lukichev	Aleksandr I Galina I Nikolai I Maria I Ivan I Dmitry I ntal Conductance MPPT Algorit	ITMO University	Russian Federation Russian Federation Russian Federation Russian Federation		
		Lukin Demidova Poliakov Rezaeva Zhdanov Lukichev Investigation of Increme	Aleksandr I Galina I Nikolai I Maria I Ivan I Dmitry I Ercan I Ercan I	ITMO University ITMO University ITMO University ITMO University ITMO University ITMO University thm in MATLAB/Simulink Using Photovoltaic Powered DC-DC Boost Converter Recep Tayyip Erdoğan University, Department of Electrical and Electronics Engineering	Russian Federation Russian Federation Russian Federation Russian Federation Russian Federation		
9:30h 03838	T7.1-3	Lukin Demidova Poliakov Rezaeva Zhdanov Lukichev Investigation of Increme Akın Şahin	Aleksandr I Galina I Nikolai I Maria I Ivan I Dmitry I Tatal Conductance MPPT Algorit Ercan I Mustafa Ergin I	ITMO University Itm in MATLAB/Simulink Using Photovoltaic Powered DC-DC Boost Converter Recep Tayyip Erdoğan University, Department of Electrical and Electronics Engineering Recep Tayyip Erdoğan University, Department of Electrical and Electronics Engineering	Russian Federation Russian Federation Russian Federation Russian Federation Russian Federation Turkey		
9:30h 03838		Lukin Demidova Poliakov Rezaeva Zhdanov Lukichev Investigation of Increme Akın Şahin Wind Turbine Modeling	Aleksandr I Galina I Nikolai I Ivan I Dmitry I Ercan F Mustafa Ergin I Using Wind Speed Measuremee	ITMO University Ithm in MATLAB/Simulink Using Photovoltaic Powered DC-DC Boost Converter Recep Tayyip Erdoğan University, Department of Electrical and Electronics Engineering Recep Tayyip Erdoğan University, Department of Electrical and Electronics Engineering ITMO University	Russian Federation Russian Federation Russian Federation Russian Federation Russian Federation Turkey Turkey		
:30h 03838	T7.1-3	Lukin Demidova Poliakov Rezaeva Zhdanov Lukichev Investigation of Increme Akın Şahin Wind Turbine Modeling Milad	Aleksandr I Galina I Nikolai I Maria I Ivan I Dmitry I Ital Conductance MPPT Algorit Ercan F Mustafa Ergin F Jusing Wind Speed Measuremee	ITMO University ITMO Universit	Russian Federation Russian Federation Russian Federation Russian Federation Russian Federation Turkey Turkey		
9:30h 03838	T7.1-3	Lukin Demidova Poliakov Rezaeva Zhdanov Lukichev Investigation of Increme Akın Şahin Wind Turbine Modeling Milad Milićević	Aleksandr I Galina I Nikolai I Maria I Ivan I Dmitry I Ercan Mustafa Ergin I Sulaiman I	ITMO University ITMO UNIVERSIT	Russian Federation Russian Federation Russian Federation Russian Federation Russian Federation Turkey Turkey Serbia Serbia		
:30h 03838	T7.1-3	Lukin Demidova Poliakov Rezaeva Zhdanov Lukichev Investigation of Increme Akın Şahin Wind Turbine Modeling Milad Milićević Katić	Aleksandr I Galina I Nikolai I Maria I Ivan I Dmitry I Intal Conductance MPPT Algorit Ercan I Mustafa Ergin I Sulaiman I Sulaiman I Vladimir A.	ITMO University ITMO Universit	Russian Federation Russian Federation Russian Federation Russian Federation Russian Federation Turkey Turkey Serbia Serbia Serbia		
:30h 03838 :45h 05438	T7.1-3	Lukin Demidova Poliakov Rezaeva Zhdanov Lukichev Investigation of Increme Akın Şahin Wind Turbine Modeling Milad Milićević Katič Stanisavljević	Aleksandr I Galina I Nikolai I Maria I Ivan I Dmitry I Intal Conductance MPPT Algorit Ercan I Mustafa Ergin I Sulaiman I Sulaiman I Vladimir A.	ITMO University ITMO Universit	Russian Federation Russian Federation Russian Federation Russian Federation Russian Federation Turkey Turkey Serbia Serbia		
:30h 03838 :45h 05438	T7.1-3	Lukin Demidova Poliakov Rezaeva Zhdanov Lukichev Investigation of Increme Akın Şahin Wind Turbine Modeling Milad Milićević Katić	Aleksandr I Galina I Nikolai I Maria I Ivan I Dmitry I Intal Conductance MPPT Algorit Ercan I Mustafa Ergin I Sulaiman I Sulaiman I Vladimir A.	ITMO University ITMO Universit	Russian Federation Russian Federation Russian Federation Russian Federation Russian Federation Turkey Turkey Serbia Serbia Serbia		
9:30h 03838 9:45h 05438 9:45h 05438 0:00h - 10:15h	T7.1-3	Lukin Demidova Poliakov Rezaeva Zhdanov Lukichev Investigation of Increme Akın Şahin Wind Turbine Modeling Milad Milićević Katič Stanisavljević	Aleksandr I Galina I Nikolai I Maria I Ivan I Dmitry I Ercan Mustafa Ergin I Jusing Wind Speed Measuremer Sulaiman I Srđan I Vladisandar M.	ITMO University ITMO Universit	Russian Federation Russian Federation Russian Federation Russian Federation Russian Federation Turkey Turkey Serbia Serbia Serbia		
0:30h 03838 0:45h 05438 0:00h - 10:15h	T7.1-3 T7.1-4	Lukin Demidova Poliakov Rezaeva Zhdanov Lukichev Investigation of Increme Akın Şahin Wind Turbine Modeling Milad Milićević Katić Stanisavljević Coffee Break Power Converters and d	Aleksandr I Galina I Nikolai I Maria I Ivan I Dmitry I Ital Conductance MPPT Algorit Ercan I Mustafa Ergin I Sulaiman I Srđan I Vladimir A. I Aleksandar M.	ITMO University ITMO Universit	Russian Federation Russian Federation Russian Federation Russian Federation Russian Federation Turkey Turkey Serbia Serbia Serbia Serbia		
:30h 03838 :45h 05438	T7.1-3 T7.1-4 -T1.2 Chair:	Lukin Demidova Poliakov Rezaeva Zhdanov Lukichev Investigation of Increme Akin Şahin Wind Turbine Modeling Milad Milićević Katić Stanisavljević Coffee Break Power Converters and d	Aleksandr I Galina I Nikolai I Maria I Ivan I Dmitry I Ercan I Mustafa Ergin I Sulaiman I Sudaiman I Vladimir A. I Aleksandar M. I Evices University of Toronto, Toronto	ITMO University ITMO Universit	Russian Federation Russian Federation Russian Federation Russian Federation Turkey Turkey Serbia Serbia Serbia		
:30h 03838 :45h 05438 ::00h - 10:15h :15h SESSION	T7.1-3 T7.1-4 -T1.2 Chair: Co-chair:	Lukin Demidova Poliakov Rezaeva Zhdanov Lukichev Investigation of Increme Akın Şahin Wind Turbine Modeling Milad Milićević Katić Stanisavljević Coffee Break Power Converters and d Prof. Aleksandar Prodic, Dr. Predrag Ninković, Eli	Aleksandr Galina I Galina I Mikolai I Maria I I Maria I I I Maria I Mari	ITMO University ITMO Universit	Russian Federation Russian Federation Russian Federation Russian Federation Turkey Turkey Serbia Serbia Serbia		
:30h 03838 :45h 05438 :00h - 10:15h :15h SESSION	T7.1-3 T7.1-4 -T1.2 Chair:	Lukin Demidova Poliakov Rezaeva Zhdanov Lukichev Investigation of Increme Akın Şahin Wind Turbine Modeling Milad Milićević Katić Stanisavljević Coffee Break Power Converters and d Prof. Aleksandar Prodic, Dr. Predrag Ninković, Ele Prototype Proposal of a	Aleksandr Galina I Galina I Nikolai I Maria I I I Van I	ITMO University ITMO Universit	Russian Federation Russian Federation Russian Federation Russian Federation Russian Federation Turkey Turkey Serbia Serbia Serbia Serbia		
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.30h 03838 .45h 05438 .00h - 10:15h .15h SESSION	T7.1-3 T7.1-4 -T1.2 Chair: Co-chair:	Lukin Demidova Poliakov Rezaeva Zhdanov Lukichev Investigation of Increme Akın Sahin Wind Turbine Modeling Milad Milicević Katić Stanisavljević Coffee Break Power Converters and d Prof. Aleksandar Prodic, Dr. Predrag Ninković, Ele Prototype Proposal of a Brandis	Aleksandr I Galina I Nikolai I Naria I Ivan I Dmitry I Ital Conductance MPPT Algorit Ercan I Mustafa Ergin I Using Wind Speed Measuremei Sulaiman I Srđan I Vladimir A. I Aleksandar M. I Evices University of Toronto, Toronto ctrical Engineering Institute Nii 18 kW Non-Isolated Bidirectio Andrej I Kristian I I	ITMO University ITMO Universit	Russian Federation Russian Federation Russian Federation Russian Federation Russian Federation Turkey Turkey Serbia Serbia Serbia Serbia Serbia Croatia		
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:30h 03838 :45h 05438 :00h - 10:15h :15h SESSION	T7.1-3 T7.1-4 -T1.2 Chair: Co-chair: T1.2-1	Lukin Demidova Poliakov Rezaeva Zhdanov Lukichev Investigation of Increme Akın Şahin Wind Turbine Modeling Milad Milićević Katić Stanisavljević Coffee Break Power Converters and d Prof. Aleksandar Prodic, Dr. Predrag Ninković, Elv Prototype Proposal of a Brandis Knol Pelin Topić	Aleksandr Galina I Galina I Mikolai I Maria I I I Van	ITMO University ITMO Universit	Russian Federation Russian Federation Russian Federation Russian Federation Russian Federation Turkey Turkey Serbia Serbia Serbia Serbia Serbia Croatia Croatia Croatia		
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:30h 03838 :45h 05438 :00h - 10:15h :15h SESSION	T7.1-3 T7.1-4 -T1.2 Chair: Co-chair: T1.2-1	Lukin Demidova Poliakov Rezaeva Zhdanov Lukichev Investigation of Increme Akın Şahin Wind Turbine Modeling Milad Milićević Katić Stanisavljević Coffee Break Power Converters and d Prof. Aleksandar Prodic, Dr. Predrag Ninković, Ele Prototype Proposal of al Brandis Knol Pelin Topić Design of modular 110V Kuraj Gluščević	Aleksandr I Galina I Nikolai I Maria I I Maria I I I I I I I I I I I I I I I I I I	ITMO University ITMO Universit	Russian Federation Russian Federation Russian Federation Russian Federation Russian Federation Turkey Turkey Serbia Serbia Serbia Serbia Serbia Croatia Croatia Croatia Croatia Serbia Serbia		
:30h 03838 :45h 05438 :00h - 10:15h :15h SESSION :15h 01738	T7.1-3 T7.1-4 -T1.2 Chair: Co-chair: T1.2-1	Lukin Demidova Poliakov Rezaeva Zhdanov Lukichev Investigation of Increme Akın Şahin Wind Turbine Modeling Milad Milićević Katić Stanisavljević Coffee Break Power Converters and d Prof. Aleksandar Prodic, Dr. Predrag Ninković, Ele Prototype Proposal of a Brandis Knol Pelin Topić Design of modular 110V Kuraj Gluščević Kovačević Ninković	Aleksandr Galina I Galina I Nikolai I Maria I I I Van I I I Van I I I Van I I I Van I I I I I I I I I I I I I I I I I I	ITMO University ITMO Universite ITMO University ITMO University ITMO University ITMO Universit	Russian Federation Russian Federation Russian Federation Russian Federation Russian Federation Turkey Turkey Serbia Serbia Serbia Serbia Serbia Serbia Serbia Serbia Serbia		
:30h 03838 :45h 05438 :00h - 10:15h :15h SESSION :15h 01738 :30h 01338	T7.1-3 T7.1-4 -T1.2 Chair: Co-chair: T1.2-1	Lukin Demidova Poliakov Rezaeva Zhdanov Lukichev Investigation of Increme Akın Sahin Wind Turbine Modeling Milad Milicević Katić Stanisavljević Coffee Break Power Converters and d Prof. Aleksandar Prodic, Dr. Predrag Ninković, Ele Prototype Proposal of al Brandis Knol Pelin Topić Design of modular 110V Kuraj Gluščević Kovačević Ninković Design and Operation of	Aleksandr Galina I	ITMO University Itmous Univers	Russian Federation Russian Federation Russian Federation Russian Federation Russian Federation Turkey Turkey Serbia Serbia Serbia Serbia Serbia Croatia Croatia Croatia Croatia Croatia Serbia Serbia Serbia		
:30h 03838 :45h 05438 :00h - 10:15h :15h SESSION :15h 01738	T7.1-3 T7.1-4 -T1.2 Chair: Co-chair: T1.2-1	Lukin Demidova Poliakov Rezaeva Zhdanov Lukichev Investigation of Increme Akın Şahin Wind Turbine Modeling Milad Milićević Katić Stanisavljević Coffee Break Power Converters and d Prof. Aleksandar Prodic, Dr. Predrag Ninković, Ele Prototype Proposal of al Brandis Knol Pelin Topić Design of modular 110V Kuraj Gluščević Kovačević Ninković Design and Operation of Bašić	Aleksandr I Galina I Nikolai I Nikolai I Maria I I Van I V	ITMO University ITMO Universit	Russian Federation Serbia Serbia Serbia Serbia Serbia Serbia Croatia Croatia Croatia Croatia Croatia Serbia Serbia		
:30h 03838 :45h 05438 :00h - 10:15h :15h SESSION :15h 01738 :30h 01338	T7.1-3 T7.1-4 -T1.2 Chair: Co-chair: T1.2-1	Lukin Demidova Poliakov Rezaeva Zhdanov Lukichev Investigation of Increme Akın Şahin Wind Turbine Modeling Milad Milićević Katić Stanisavljević Coffee Break Power Converters and d Prof. Aleksandar Prodic, Dr. Predrag Ninković, Ele Prototype Proposal of al Brandis Knol Pelin Topić Design of modular 110V Kuraj Gluščević Kovačević Ninković Design and Operation of Bašić Vukadinović	Aleksandr I Galina I Nikolai I Maria I Maria I I Van I V	ITMO University ITMO Universit	Russian Federation Russian Federation Russian Federation Russian Federation Russian Federation Turkey Turkey Serbia Serbia Serbia Serbia Serbia Croatia Croatia Croatia Croatia Serbia Serbia Serbia Croatia Croatia Croatia Croatia Croatia Croatia Croatia Croatia Serbia Serbia Serbia Serbia Croatia		
0:30h 03838 0:45h 05438 0:00h - 10:15h	T7.1-3 T7.1-4 -T1.2 Chair: Co-chair: T1.2-1	Lukin Demidova Poliakov Rezaeva Zhdanov Lukichev Investigation of Increme Akın Şahin Wind Turbine Modeling Milad Milićević Katić Stanisavljević Coffee Break Power Converters and d Prof. Aleksandar Prodic, Dr. Predrag Ninković, Ele Prototype Proposal of al Brandis Knol Pelin Topić Design of modular 110V Kuraj Gluščević Kovačević Ninković Design and Operation of Bašić	Aleksandr Galina I Galina I Nikolai I Maria I Ivan I Dmitry I Ercan F Mustafa Ergin F Using Wind Speed Measurement Sulaiman I Srdan I Vladimir A. I Aleksandar M. I Evices University of Toronto, Toronto ctrical Engineering Institute Nii 18 kW Non-Isolated Bidirection Andrej F Kristian F Denis F Danijel F Jovana Nikola E Nikola F Predrag T Mateo Dinko I Uvan Uvan Doniso I Mateo Dinko I Uvan Uvan I Mateo Dinko I Uvan Uvan I Uvan I	ITMO University ITMO Universit	Russian Federation Russian Federation Russian Federation Russian Federation Russian Federation Turkey Turkey Serbia Serbia Serbia Serbia Serbia Croatia Croatia Croatia Croatia Serbia Serbia Serbia Croatia Croatia Croatia Croatia Croatia Croatia Croatia Croatia Serbia Serbia Serbia Serbia Croatia		

11:00h 03238	T1.2-4	Comparison between ZVS	S and ZCS Series Resonant B	alancing Converters	
		Lopusina	Igor	University of Innsbruck, Innsbruck Power Electronics Laboratory (i-pel)	Austria
		Stanojevic	Aleksandra	University of Innsbruck, Innsbruck Power Electronics Laboratory (i-pel)	Austria
		Bouvier	Yann E.	University of Innsbruck, Innsbruck Power Electronics Laboratory (i-pel)	Austria
		Grbovic	Petar J.	University of Innsbruck, Innsbruck Power Electronics Laboratory (i-pel)	Austria
11:15h 04138	T1.2-5			, , , , ,	Adstria
11:15N U4138	11.2-5			d Quasi-Resonant Converters	
		Nag	Kumar Joy	University of Toronto	Canada
		Prodic	Aleksandar	University of Toronto	Canada
11:30h 05138	T1.2-6	Hardware-in-the-Loop Si	mulation of a Virtual Synchr	ronous Motor	
		Tanasic	Mihailo	University of Belgrade, School of Electrical Engineering	Serbia
		Brkovic	Bogdan	University of Belgrade, School of Electrical Engineering	Serbia
		Majstorovic	Milovan	University of Belgrade, School of Electrical Engineering	Serbia
		Ristic	Leposava	University of Belgrade, School of Electrical Engineering	Serbia
10:15h SESSION	I T4.1	Advanced Control System	ns and Measurement		STP - Hall 2
	Chair:	Prof. Leposava Ristić, Uni	iversity of Belgrade, School	of Electrical Engineering, Belgrade, Serbia	
	Co-chair:	Assoc. Prof. Srđan Lale, U	Iniversity of East Sarajevo, F	Faculty of Electrical Engineering, East Sarajevo, Bosnia and Herzegovina	
10:15h 04238	T4.1-1		eed and Torque Control of		
1011011 01200		Zerdali	Emrah	Ege University, Department of Electrical and Electronics Engineering	Turkey
					•
		Rivera	Marco	University of Nottingham, Faculty of Engineering, Power Electronics and Machine Centre - PEMC	United Kingdom
		Zanchetta	Pericle	University of Nottingham, Faculty of Engineering, Power Electronics and Machine Centre - PEMC	United Kingdom
		Wheeler	Patrick	University of Nottingham, Faculty of Engineering, Power Electronics and Machine Centre - PEMC	United Kingdom
		Ristić	Leposava	University of Belgrad, School of Electrical Engineering	Serbia
10:30h 01138	T4.1-2		n with Simatic S7-1500T and		
10.00 01100	2			Stefan cel Mare University of Suceava	Romania
		Rata	Mihai	·	Romania
		Graur	Adrian	Stefan cel Mare University of Suceava	Romania
		Rata	Gabriela	Stefan cel Mare University of Suceava	Romania
10:45h 03638	T4.1-3	Phase Current Reconstru	ction, DC Link Voltage and R	Rds-on Measurement Using Sensors Integrated on Gate Drivers for SiC MOSFET	
		Mitrovic	Vladimir	Virginia Tech, Center for Power Electronics Systems	United States
		Fan	Boran	Virginia Tech, Center for Power Electronics Systems	United States
				,	
		Cao	Yuliang	Virginia Tech, Center for Power Electronics Systems	United States
		Bai	Yijie	Virginia Tech, Center for Power Electronics Systems	United States
		Burgos	Rolando	Virginia Tech, Center for Power Electronics Systems	United States
		Boroyevich	Dushan	Virginia Tech, Center for Power Electronics Systems	United States
11:00h 03938	T4.1-4	A Novel Quadrature-Sign	al-Generator based on Slidii	ng-Mode Discrete Fourier Transform	
		Ninkovic	Predrag	Electrical Engineering Institute Nikola Tesla	Serbia
11.156 04030	T4 1 F				Serbia
11:15h 04038	T4.1-5		sing Enhanced Frequency-Lo		
		Mandić	Zorana	University of East Sarajevo, Faculty of Electrical Engineering	Bosnia and Herzegovina
		Kukrić	Nikola	University of East Sarajevo, Faculty of Electrical Engineering	Bosnia and Herzegovina
		Lale	Srđan	University of East Sarajevo, Faculty of Electrical Engineering	Bosnia and Herzegovina
		Popović	Božidar	University of East Sarajevo, Faculty of Electrical Engineering	Bosnia and Herzegovina
		Jokić	Dejan	International Burch University	Bosnia and Herzegovina
		Lubura	Slobodan	·	-
			Siobodan	University of East Sarajevo, Faculty of Electrical Engineering	Bosnia and Herzegovina
10:15h SESSION		Electrical Machines			STP - Hall 3
	Chair:	Prof. Ion Boldea, Univers	ity Politehnica Timisoara, Ti	imisoara, Romania	
	Co-chair:	Prof. Veran Vasić, Univer	sity of Novi Sad, Faculty of 1	Technical Sciences, Novi Sad, Serbia	
10:15h 01238	T3.2-1	Hybrid Iron Loss Model fo	or IPMSMs in Wide-Speed R	ange Applications	
		Banović	Milica	University of Belgrade, School of Electrical Engineering	Serbia
			Bratislav		
			Dialisidy	University of Belgrade, School of Electrical Engineering	Serbia
		Iričanin			
		Reljić	Dejan	University of Novi Sad, Faculty of Technical Sciences	Serbia
			Dejan Dejan	University of Novi Sad, Faculty of Technical Sciences University of Novi Sad, Faculty of Technical Sciences	Serbia Serbia
10:30h 02738	T3.2-2	Reljić Jerkan	Dejan		
10:30h 02738	T3.2-2	Reljić Jerkan Comparison of optimal co	Dejan ontrol trajectories of IPMSN	University of Novi Sad, Faculty of Technical Sciences //s with different saliency ratios	Serbia
10:30h 02738	T3.2-2	Reljić Jerkan Comparison of optimal co Jaric	Dejan ontrol trajectories of IPMSM Milica	University of Novi Sad, Faculty of Technical Sciences #Is with different saliency ratios University of Novi Sad, Faculty of Technical Sciences	Serbia Serbia
10:30h 02738	T3.2-2	Reljić Jerkan Comparison of optimal co Jaric Popovic	Dejan ontrol trajectories of IPMSN Milica Vladimir	University of Novi Sad, Faculty of Technical Sciences #s with different saliency ratios University of Novi Sad, Faculty of Technical Sciences University of Novi Sad, Faculty of Technical Sciences	Serbia Serbia Serbia
10:30h 02738	T3.2-2	Reljić Jerkan Comparison of optimal co Jaric Popovic Vuckovic	Dejan ontrol trajectories of IPMSN Milica Vladimir Mladen	University of Novi Sad, Faculty of Technical Sciences #S with different saliency ratios 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
10:30h 02738	T3.2-2	Reljić Jerkan Comparison of optimal co Jaric Popovic	Dejan ontrol trajectories of IPMSN Milica Vladimir	University of Novi Sad, Faculty of Technical Sciences #s with different saliency ratios University of Novi Sad, Faculty of Technical Sciences University of Novi Sad, Faculty of Technical Sciences	Serbia Serbia Serbia
10:30h 02738	T3.2-2	Reljić Jerkan Comparison of optimal co Jaric Popovic Vuckovic	Dejan ontrol trajectories of IPMSN Milica Vladimir Mladen	University of Novi Sad, Faculty of Technical Sciences #S with different saliency ratios 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
10:30h 02738	T3.2-2	Reljić Jerkan Comparison of optimal co Jaric Popovic Vuckovic Marcetic Jerkan	Dejan ontrol trajectories of IPMSM Milica Vladimir Mladen Darko Dejan	University of Novi Sad, Faculty of Technical Sciences //s with different saliency ratios University of Novi Sad, Faculty of Technical Sciences	Serbia Serbia Serbia Serbia Serbia
		Reljić Jerkan Comparison of optimal co Jaric Popovic Vuckovic Marcetic Jerkan	Dejan ontrol trajectories of IPMSM Milica Vladimir Mladen Darko Dejan	University of Novi Sad, Faculty of Technical Sciences #Is with different saliency ratios University of Novi Sad, Faculty of Technical Sciences	Serbia Serbia Serbia Serbia Serbia
		Reljić Jerkan Comparison of optimal collaric Popovic Vuckovic Marcetic Jerkan Design of Novel Hybrid E:	Dejan Dentrol trajectories of IPMSM Milica Vladimir Mladen Darko Dejan xcitation Segmented-rotor S Wenju	University of Novi Sad, Faculty of Technical Sciences # Swith different saliency ratios University of Novi Sad, Faculty of Technical Sciences Switched Reluctance Motor for Electric Vehicle China University of Mining and Technology, School of Electrical Engineering	Serbia Serbia Serbia Serbia Serbia Serbia Serbia
		Reljić Jerkan Comparison of optimal collaric Popovic Vuckovic Marcetic Jerkan Design of Novel Hybrid Exam Hu	Dejan Detroit trajectories of IPMSM Milica Vladimir Mladen Darko Dejan Secitation Segmented-rotor S Wenju Jiangpeng	University of Novi Sad, Faculty of Technical Sciences Is with different saliency ratios University of Novi Sad, Faculty of Technical Sciences Switched Reluctance Motor for Electric Vehicle China University of Mining and Technology, School of Electrical Engineering China University of Mining and Technology, School of Electrical Engineering	Serbia Serbia Serbia Serbia Serbia Serbia China
		Reljić Jerkan Comparison of optimal collaric Jaric Popovic Vuckovic Marcetic Jerkan Design of Novel Hybrid Extra Hu Chen	Dejan Detain trajectories of IPMSM Milica Vladimir Mladen Darko Dejan xcitation Segmented-rotor S Wenju Jiangpeng Hao	University of Novi Sad, Faculty of Technical Sciences // Is with different saliency ratios University of Novi Sad, Faculty of Technical Sciences Switched Reluctance Motor for Electric Vehicle China University of Mining and Technology, School of Electrical Engineering China University of Mining and Technology, School of Electrical Engineering China University of Mining and Technology, School of Electrical Engineering	Serbia Serbia Serbia Serbia Serbia Serbia China China China
		Reljić Jerkan Comparison of optimal collaric Popovic Vuckovic Marcetic Jerkan Design of Novel Hybrid E: Yan Hu Chen	Dejan portrol trajectories of IPMSM Milica Vladimir Mladen Darko Dejan xxitation Segmented-rotor S Wenju Jiangpeng Hao Hailong	University of Novi Sad, Faculty of Technical Sciences ### As with different saliency ratios University of Novi Sad, Faculty of Technical Sciences Switched Reluctance Motor for Electric Vehicle China University of Mining and Technology, School of Electrical Engineering China University of Mining and Technology, School of Electrical Engineering China University of Mining and Technology, School of Electrical Engineering China University of Mining and Technology, School of Electrical Engineering	Serbia Serbia Serbia Serbia Serbia Serbia China China China China
		Reljić Jerkan Comparison of optimal collaric Jaric Popovic Vuckovic Marcetic Jerkan Design of Novel Hybrid Extra Hu Chen	Dejan Detain trajectories of IPMSM Milica Vladimir Mladen Darko Dejan xcitation Segmented-rotor S Wenju Jiangpeng Hao	University of Novi Sad, Faculty of Technical Sciences // Is with different saliency ratios University of Novi Sad, Faculty of Technical Sciences Switched Reluctance Motor for Electric Vehicle China University of Mining and Technology, School of Electrical Engineering China University of Mining and Technology, School of Electrical Engineering China University of Mining and Technology, School of Electrical Engineering	Serbia Serbia Serbia Serbia Serbia Serbia China China China
		Reljić Jerkan Comparison of optimal collaric Popovic Vuckovic Marcetic Jerkan Design of Novel Hybrid E: Yan Hu Chen	Dejan portrol trajectories of IPMSM Milica Vladimir Mladen Darko Dejan xxitation Segmented-rotor S Wenju Jiangpeng Hao Hailong	University of Novi Sad, Faculty of Technical Sciences ### As with different saliency ratios University of Novi Sad, Faculty of Technical Sciences Switched Reluctance Motor for Electric Vehicle China University of Mining and Technology, School of Electrical Engineering China University of Mining and Technology, School of Electrical Engineering China University of Mining and Technology, School of Electrical Engineering China University of Mining and Technology, School of Electrical Engineering	Serbia Serbia Serbia Serbia Serbia Serbia China China China China
		Reljić Jerkan Comparison of optimal collaric Popovic Vuckovic Marcetic Jerkan Design of Novel Hybrid Evan Hu Chen Li Yu Wang	Dejan Detain trajectories of IPMSM Milica Vladimir Mladen Darko Dejan Xecitation Segmented-rotor S Wenju Jiangpeng Hao Hailong Fengyuan Qing	University of Novi Sad, Faculty of Technical Sciences #Is with different saliency ratios University of Novi Sad, Faculty of Technical Sciences Switched Reluctance Motor for Electric Vehicle China University of Mining and Technology, School of Electrical Engineering China University of Mining and Technology, School of Electrical Engineering China University of Mining and Technology, School of Electrical Engineering China University of Mining and Technology, School of Electrical Engineering China University of Mining and Technology, School of Electrical Engineering China University of Mining and Technology, School of Electrical Engineering	Serbia Serbia Serbia Serbia Serbia Serbia China China China China China
10:45h 00438	T3.2-3	Reljić Jerkan Comparison of optimal collaria Popovic Vuckovic Marcetic Jerkan Design of Novel Hybrid Evan Hu Chen Li Yu Wang Three-phase Biaxial Excit	Dejan Detain trajectories of IPMSM Milica Vladimir Mladen Darko Dejan xcitation Segmented-rotor S Wenju Jiangpeng Hao Hailong Fengyuan Qing ation Synchronous Generate	University of Novi Sad, Faculty of Technical Sciences Is with different saliency ratios University of Novi Sad, Faculty of Technical Sciences Switched Reluctance Motor for Electric Vehicle China University of Mining and Technology, School of Electrical Engineering China University of Mining and Technology, School of Electrical Engineering China University of Mining and Technology, School of Electrical Engineering China University of Mining and Technology, School of Electrical Engineering Nanchang University, School of Information Engineering Or (BEGA) intern-fault experimental characterisation	Serbia Serbia Serbia Serbia Serbia Serbia China China China China China China China China
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10:45h 00438 11:00h 03138 11:15h 00338	T3.2-3 T3.2-4 T3.2-5 Y Session - KN3 Chair:	Reljić Jerkan Comparison of optimal of Jaric Popovic Vuckovic Marcetic Jerkan Design of Novel Hybrid Electromagn Li Yu Wang Three-phase Biaxial Excit Khodabux Martin Vitan Tutelea Busawon Boldea An Adaptive Electromagn Liu Chen Yan Do Shamiev Tairov Aguirre KEY-NOTE PAPERS Prof. Rolando Burgos, Vir Prof. Vladimir Katić, Univ Mission profile emulation	Dejan Dejan Dontrol trajectories of IPMSM Milica Vladimir Mladen Darko Dejan xcitation Segmented-rotor S Wenju Jiangpeng Hao Hailong Fengyuan Qing ation Synchronous Generate Kaleem Adrian Daniel Liviu - Dănuţ Lucian - Nicolae Krishna Ion Hao Wenju Hao Wenju Ton Duc Murat Yokub Miguel Pablo rginia Polytechnic Institute a tersity of Novi Sad, Faculty of and reliability testing for 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 University of Novi Sad, Faculty of Technical Sciences University of Novi Sad, Faculty of Technical Sciences University of Novi Sad, Faculty of Technical Sciences University of Novi Sad, Faculty of Technical Sciences University of Novi Sad, Faculty of Technical Sciences University of Novi Sad, Faculty of Technical Sciences University of Movi Sad, Faculty of Technical Sciences University of Novi Sad, Faculty of Technical Sciences University of Novi Sad, Faculty of Technical Sciences University of Mining and Technology, School of Electrical Engineering China University of Mining and Technology, School of Electrical Engineering China University of Mining and Technology, School of Electrical Engineering China University, School of Information Engineering Nanchang University, School of Information Engineering Or (BEGA) intern-fault experimental characterisation University Politehnica Timisoara University Politehnica Timisoara University Politehnica Timisoara, Romanian Academy-Timisoara Branch Timisoara Northumbria University Newcastle upon Tyne, United Kingdom University Politehnica Timisoara, Romanian Academy-Timisoara Branch Timisoara Northumbria University Newcastle upon Tyne, United Kingdom University of Mining and Technology, School of Electrical Engineering China University of Mining and Technology, School of Electrical Engineering China University of Mining and Technology, School of Electrical Engineering Nazarbayev University Tashkent State Technical University Tashkent State Technical University Instituto Tecnológico de Buenos Aires	Serbia Serbia Serbia Serbia Serbia Serbia Serbia China Comania Romania Romania Romania Romania Mauritius Romania China
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10:45h 00438 11:00h 03138 11:15h 00338	T3.2-3 T3.2-4 T3.2-5 Y Session - KN3 Chair: Co-chair:	Reljić Jerkan Comparison of optimal collaric Popovic Vuckovic Marcetic Jerkan Design of Novel Hybrid Electromage Lii Yu Wang Three-phase Biaxial Excit Khodabux Martin Vitan Tutelea Busawon Boldea An Adaptive Electromage Liu Chen Li Yan Poo Shamiev Tairov Aguirre KEY-NOTE PAPERS Prof. Rolando Burgos, Vir Prof. Vladimir Katić, Univ Mission profile emulation Ma Railway traction Power S	Dejan Dejan Ontrol trajectories of IPMSM Milica Vladimir Mladen Darko Dejan Wenju Jiangpeng Hao Hailong Fengyuan Qing ation Synchronous Generate Kaleem Adrian Daniel Liviu - Dănuţ Lucian - Nicolae Krishna Ion Detic Force Distribution Meti Jinfu Hao Wenju Ton Duc Murat Yokub Miguel Pablo Teginia Polytechnic Institute a teresity of Novi Sad, Faculty of a nad reliability testing for p Ke upply from the state of the	University of Novi Sad, Faculty of Technical Sciences University of Novi Sad, Faculty of Technical Sciences University of Novi Sad, Faculty of Technical Sciences University of Novi Sad, Faculty of Technical Sciences University of Novi Sad, Faculty of Technical Sciences University of Novi Sad, Faculty of Technical Sciences University of Novi Sad, Faculty of Technical Sciences University of Novi Sad, Faculty of Technical Sciences University of Novi Sad, Faculty of Technical Sciences University of Novi Sad, Faculty of Technical Sciences University of Novi Sad, Faculty of Technical Sciences University of Mining and Technology, School of Electrical Engineering China University of Mining and Technology, School of Electrical Engineering China University of Mining and Technology, School of Electrical Engineering China University of Mining and Technology, School of Electrical Engineering Or (BEGA) intern-fault experimental characterisation University des Mascareignes Roches Brunes University Politehnica Timisoara University Politehnica Timisoara, Romanian Academy-Timisoara Branch Timisoara University Politehnica Timisoara, Romanian Academy-Timisoara Branch Timisoara Northumbria University Newcastle upon Tyne, United Kingdom University Politehnica Timisoara, Romanian Academy-Timisoara Branch Timisoara hod Based on a Double-sided Switched Reluctance Linear Motor China University of Mining and Technology, School of Electrical Engineering China University of Mining and Technology, School of Electrical Engineering China University of Mining and Technology, School of Electrical Engineering Nazarbayev University Tashkent State Technical University Tashkent State Technical University Instituto Tecnológico de Buenos Aires and State University, Blacksburg, United States Of Technical Sciences, Novi Sad, Serbia Dower electronics Shanghai Jiao Tong University, Shanghai	Serbia Serbia Serbia Serbia Serbia Serbia Serbia China Serbia China China China China China China China Serbia Se
11:00h 03138 11:15h 00338 12:00h PLENARY 12:00h 12:30h	T3.2-3 T3.2-4 T3.2-5 Y Session - KN3 Chair: Co-chair: KN3.1	Reljić Jerkan Comparison of optimal of Jaric Popovic Vuckovic Marcetic Jerkan Design of Novel Hybrid Edit Stanton Hu Chen Li Yu Wang Three-phase Biaxial Excit Khodabux Martin Vitan Tutelea Busawon Boldea An Adaptive Electromage Liu Chen Yan Do Shamiev Tairov Aguirre KEY-NOTE PAPERS Prof. Rolando Burgos, Vir Prof. Vladimir Katić, Univ Mission profile emulation Ma Railway traction Power S Ladoux	Dejan Dejan Ontrol trajectories of IPMSN Milica Vladimir Mladen Darko Dejan Wenju Jiangpeng Hao Hailong Fengyuan Qing ation Synchronous Generate Kaleem Adrian Daniel Liviu - Dănuţ Lucian - Nicolae Krishna Ion Metic Force Distribution Meti Jinfu Hao Wenju Ton Duc Murat Yokub Miguel Pablo Iginia Polytechnic Institute a eresity of Novi Sad, Faculty of n and reliability testing for 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 University of Novi Sad, Faculty of Technical Sciences University of Novi Sad, Faculty of Technical Sciences University of Novi Sad, Faculty of Technical Sciences University of Novi Sad, Faculty of Technical Sciences University of Novi Sad, Faculty of Technical Sciences University of Novi Sad, Faculty of Technical Sciences University of Mori Sad, Faculty of Technical Sciences University of Moring and Technology, School of Electrical Engineering China University of Mining and Technology, School of Electrical Engineering China University of Mining and Technology, School of Electrical Engineering China University of Mining and Technology, School of Electrical Engineering Ories University of Mining and Technology, School of Electrical Engineering Ories University of Mining and Technology, School of Electrical Engineering Ories (BEGA) Intern-fault experimental characterisation University Politehnica Timisoara University Politehnica Timisoara University Politehnica Timisoara, Romanian Academy-Timisoara Branch Timisoara University Politehnica Timisoara, Romanian Academy-Timisoara Branch Timisoara Northumbria University Newcastle upon Tyne, United Kingdom University Politehnica Timisoara, Romanian Academy-Timisoara Branch Timisoara Northumbria University of Mining and Technology, School of Electrical Engineering China University of Mining and Technology, School of Electrical Engineering China University of Mining and Technology, School of Electrical Engineering Nazarbayev University Tashkent State Technical University Instituto Tecnológico de Buenos Aires And State University, Blacksburg, United States Of Technical Sciences, Novi Sad, Serbia Dower electronics Shanghai Jiao Tong University, Shanghai	Serbia Serbia Serbia Serbia Serbia Serbia Serbia China Comania Romania Romania Romania Romania Mauritius Romania China
10:45h 00438 11:00h 03138 11:15h 00338 12:00h PLENAR*	T3.2-3 T3.2-4 T3.2-5 Y Session - KN3 Chair: Co-chair: KN3.1	Reljić Jerkan Comparison of optimal collaric Popovic Vuckovic Marcetic Jerkan Design of Novel Hybrid Electromage Lii Yu Wang Three-phase Biaxial Excit Khodabux Martin Vitan Tutelea Busawon Boldea An Adaptive Electromage Liu Chen Li Yan Poo Shamiev Tairov Aguirre KEY-NOTE PAPERS Prof. Rolando Burgos, Vir Prof. Vladimir Katić, Univ Mission profile emulation Ma Railway traction Power S	Dejan Dejan Ontrol trajectories of IPMSM Milica Vladimir Mladen Darko Dejan Wenju Jiangpeng Hao Hailong Fengyuan Qing ation Synchronous Generate Kaleem Adrian Daniel Liviu - Dănuţ Lucian - Nicolae Krishna Ion Detic Force Distribution Meti Jinfu Hao Wenju Ton Duc Murat Yokub Miguel Pablo Teginia Polytechnic Institute a teresity of Novi Sad, Faculty of a nad reliability testing for p Ke upply from the state of the	University of Novi Sad, Faculty of Technical Sciences University of Novi Sad, Faculty of Technical Sciences University of Novi Sad, Faculty of Technical Sciences University of Novi Sad, Faculty of Technical Sciences University of Novi Sad, Faculty of Technical Sciences University of Novi Sad, Faculty of Technical Sciences University of Novi Sad, Faculty of Technical Sciences University of Novi Sad, Faculty of Technical Sciences University of Novi Sad, Faculty of Technical Sciences University of Novi Sad, Faculty of Technical Sciences University of Novi Sad, Faculty of Technical Sciences University of Mining and Technology, School of Electrical Engineering China University of Mining and Technology, School of Electrical Engineering China University of Mining and Technology, School of Electrical Engineering China University of Mining and Technology, School of Electrical Engineering Or (BEGA) intern-fault experimental characterisation University des Mascareignes Roches Brunes University Politehnica Timisoara University Politehnica Timisoara, Romanian Academy-Timisoara Branch Timisoara University Politehnica Timisoara, Romanian Academy-Timisoara Branch Timisoara Northumbria University Newcastle upon Tyne, United Kingdom University Politehnica Timisoara, Romanian Academy-Timisoara Branch Timisoara hod Based on a Double-sided Switched Reluctance Linear Motor China University of Mining and Technology, School of Electrical Engineering China University of Mining and Technology, School of Electrical Engineering China University of Mining and Technology, School of Electrical Engineering Nazarbayev University Tashkent State Technical University Tashkent State Technical University Instituto Tecnológico de Buenos Aires and State University, Blacksburg, United States Of Technical Sciences, Novi Sad, Serbia Dower electronics Shanghai Jiao Tong University, Shanghai	Serbia Serbia Serbia Serbia Serbia Serbia Serbia China Serbia China China China China China China China Serbia Se

	Y Session - IP1	INVITED PAPERS				STP - Ha
	Chair:		Iniversity of Toulouse, France			
	Co-chair:			of Electronic Engineering, Niš, Serbia		
4:00h 06038	IP1.1	•	i-sampled Control for Power			
		Cvetanovic	Ruzica	University of Padova	Italy	
		Petric	Ivan	Hanwha Q CELLS America Inc.	United States	
		Mattavelli	Paolo	University of Padova	Italy	
		Buso	Simone	University of Padova	Italy	
4:20h 04638	IP1.2	A Sliding Mode based C	ontroller for No Inertia Island	ed Microgrids		
		Procopio	Renato	University of Genoa	Italy	
		Bonfiglio	Andrea	University of Genoa	Italy	
		Rosini	Alessandro	University of Genoa	Italy	
		Petronijević	Milutin	University of Nis	Serbia	
		Filipović	Filip	University of Nis	Serbia	
		Incremona	Gian Paolo	Politecnico di Milano	Italy	
		Ferrara	Antonella	University of Pavia	Italy	
.4:45h	IS-3	Industry session: Suppo	rting companies' presentation	ns		STP - Ha
	Chair:			d, Faculty of Technical Sciences, Novi Sad, Serbia		
	Co-chair:	Bojana Milutinović, Orig				
.4:45h	IS3.1	Al Solutions for E-mobil				
		Dr. Laemmermann Sven	•	ZF Serbia, Pančevo	Serbia	
.5:05h	IS3.2		train and charging made easy		001.010	
.5.0511	155.2	Dušan Majstorović	train and charging made casy	Typhoon Hil, Inc., Novi Sad	Serbia	
L5:25h	IS3.3	Bosch: Electrical Drives		Typhoon fill, file., Novi Sau	Serbia	
.5.2311	133.3	Parenta Denis and Ivanis	ξενι ć Δ ΙΙοξα	Bosch	Serbia	
5.45h	162.4		*	DUSCII	Settild	
.5:45h	IS3.4	_	ation in Automotive Industry	Proce de la Danževia	Carle:	
		Ninković Nikola		Brose d.o.o., Pančevo	Serbia	
16:00h	IS3.5	Infineon/IPCEI Present				
		Goran Mišković , Christii	na Wariwoda	Infineon Technologies Austria AG	Austria	
6:15h - 16:30h		Coffee Break				
6:30h PLENAR	Y Session - IP2	INVITED PAPERS				STP - H
	Chair:	Prof. Denis Pelin, Unive	rsity of Osijek, Faculty of Elec	tricity Engineering, Computer Science and Information Technology, Osijek, Croatia		
	Co-chair:	Assist. Prof. Ivan Todoro	ović, University of Novi Sad, F	aculty of Technical Sciences, Novi Sad, Serbia		
6:30h 01438	IP2.1	Modern Solution of Ind	uctive Charging System for 80	0 V Batteries of Electric Vehicles		
		Vračar	Darko	BRUSA Elektronik (München) GmbH, Munchen	Germany	
5:50h 06838	IP2.2	Next Generation of High	h Power Density On-board Ch	argers for Electric Vehicle Systems	,	
		Pacini	Alex	Infineon Technologies Austria AG, Villach	Austria	
		Kasper	Matthias	Infineon Technologies Austria AG, Villach	Austria	
		Pevere	Alessandro	Infineon Technologies Austria AG, Villach	Austria	
		Deboy	Gerald	Infineon Technologies Austria AG, Villach	Austria	
.7:10h PLENAR	V Cossion II 1	INVITED LECTURES	Geraid	minicon reciniologies Adstria AO, vinacri		STP - Ha
7.1011 PLENAR	Chair:		cal Engineering Institute "Nike	ala Tacla" Palgrada Sarbia		этг - п
			cal Engineering Institute "Niko			
7:10h	Co-chair:		ntitute of Technology, Vienna			
.7.1011	IL1.1	Steps Towards Widespr			Custonadanad	
		Lazarević	Vladan	ABB, Baden	Switzerland	
7:30h	IL1.1	Lazarević Next-generation enabli	Vladan ng technology for advanced p	ABB, Baden ackaging solutions in power electronics		
7:30h	IL1.2	Lazarević Next-generation enabli Mišković	Vladan ng technology for advanced p Goran	ABB, Baden	Austria	
7:30h	IL1.2 I -T1.3	Lazarević Next-generation enablim Mišković Power Converters and converters	Vladan ng technology for advanced p Goran devices	ABB, Baden ackaging solutions in power electronics Infineon Technologies Austria AG, Villach	Austria	STP - H
7:30h	IL1.2	Lazarević Next-generation enablim Mišković Power Converters and converters	Vladan ng technology for advanced p Goran devices	ABB, Baden ackaging solutions in power electronics	Austria	STP - H
7:30h	IL1.2 I -T1.3	Lazarević Next-generation enablii Mišković Power Converters and o Prof. Dushan Boroyevic	Vladan ng technology for advanced p Goran devices h, Virginia Polytechnic Institu	ABB, Baden ackaging solutions in power electronics Infineon Technologies Austria AG, Villach	Austria	STP - H
7:30h 8:00h SESSION	IL1.2 I-T1.3 Chair:	Lazarević Next-generation enablii Mišković Power Converters and o Prof. Dushan Boroyevic Assoc. Prof. Stevan Gral	Vladan ng technology for advanced p Goran devices h, Virginia Polytechnic Institu bić, University of Novi Sad, Fa	ABB, Baden ackaging solutions in power electronics Infineon Technologies Austria AG, Villach te and State University, Blacksburg, United States	Austria	STP - H
7:30h 8:00h SESSION	IL1.2 I-T1.3 Chair: Co-chair:	Lazarević Next-generation enablii Mišković Power Converters and o Prof. Dushan Boroyevic Assoc. Prof. Stevan Gral	Vladan ng technology for advanced p Goran devices h, Virginia Polytechnic Institu bić, University of Novi Sad, Fa	ABB, Baden ackaging solutions in power electronics Infineon Technologies Austria AG, Villach te and State University, Blacksburg, United States culty of Technical Sciences, Novi Sad, Serbia	Austria	STP - H
7:30h 8:00h SESSION	IL1.2 I-T1.3 Chair: Co-chair:	Lazarević Next-generation enablii Mišković Power Converters and c Prof. Dushan Boroyevic Assoc. Prof. Stevan Gral Multi-objective Design	Vladan ng technology for advanced p Goran devices h, Virginia Polytechnic Institu bić, University of Novi Sad, Fa Optimization and Selection of	ABB, Baden ackaging solutions in power electronics Infineon Technologies Austria AG, Villach te and State University, Blacksburg, United States culty of Technical Sciences, Novi Sad, Serbia Bidirectional DC-DC Converters for Solid Oxide Fuel Cells	Austria	STP - H
7:30h 8:00h SESSION	IL1.2 I-T1.3 Chair: Co-chair:	Lazarević Next-generation enablin Mišković Power Converters and c Prof. Dushan Boroyevic Assoc. Prof. Stevan Gral Multi-objective Design (Saafan	Vladan ng technology for advanced p Goran devices h, Virginia Polytechnic Institu bić, University of Novi Sad, Fa Optimization and Selection of Ahmed	ABB, Baden ackaging solutions in power electronics Infineon Technologies Austria AG, Villach te and State University, Blacksburg, United States culty of Technical Sciences, Novi Sad, Serbia Bidirectional DC-DC Converters for Solid Oxide Fuel Cells Virginia Polytechnic Institute and State University, Blacksburg	Austria United States	STP - H
7:30h 8:00h SESSION	IL1.2 I-T1.3 Chair: Co-chair:	Lazarević Next-generation enablin Mišković Power Converters and of Prof. Dushan Boroyevic Assoc. Prof. Stevan Gral Multi-objective Design (Saafan lurich	Vladan ng technology for advanced p Goran devices h, Virginia Polytechnic Institu bić, University of Novi Sad, Fa Optimization and Selection of Ahmed Mattia	ABB, Baden ackaging solutions in power electronics Infineon Technologies Austria AG, Villach te and State University, Blacksburg, United States culty of Technical Sciences, Novi Sad, Serbia Bidirectional DC-DC Converters for Solid Oxide Fuel Cells Virginia Polytechnic Institute and State University, Blacksburg Virginia Polytechnic Institute and State University, Blacksburg	Austria United States United States	STP - H
7:30h 3:00h SESSION	IL1.2 I-T1.3 Chair: Co-chair:	Lazarević Next-generation enablii Mišković Power Converters and c Prof. Dushan Boroyevic Assoc. Prof. Stevan Gral Multi-objective Design (Saafan lurich Fan Dong	Vladan ng technology for advanced p Goran Jevices h, Virginia Polytechnic Institu bić, University of Novi Sad, Fa Optimization and Selection of Ahmed Mattia Boran	ABB, Baden ackaging solutions in power electronics Infineon Technologies Austria AG, Villach te and State University, Blacksburg, United States culty of Technical Sciences, Novi Sad, Serbia Bidirectional DC-DC Converters for Solid Oxide Fuel Cells Virginia Polytechnic Institute and State University, Blacksburg	Austria United States United States United States	STP - H
7:30h 8:00h SESSION 8:00h 04538	IL1.2 I-T1.3 Chair: Co-chair: T1.3-1	Lazarević Next-generation enablii Mišković Power Converters and c Prof. Dushan Boroyevic Assoc. Prof. Stevan Gral Multi-objective Design of Saafan lurich Fan Dong Burgos	Vladan ng technology for advanced p Goran devices h, Virginia Polytechnic Institu bić, University of Novi Sad, Fa Optimization and Selection of Ahmed Mattia Boran Dong Rolando	ABB, Baden ackaging solutions in power electronics Infineon Technologies Austria AG, Villach te and State University, Blacksburg, United States culty of Technical Sciences, Novi Sad, Serbia Bidirectional DC-DC Converters for Solid Oxide Fuel Cells Virginia Polytechnic Institute and State University, Blacksburg	Austria United States United States United States United States	STP - H
7:30h 8:00h SESSION 8:00h 04538	IL1.2 I-T1.3 Chair: Co-chair:	Lazarević Next-generation enablin Mišković Power Converters and c Prof. Dushan Boroyevic Assoc. Prof. Stevan Gral Multi-objective Design of Saafan lurich Fan Dong Burgos Hardware Design Consideration	Vladan ng technology for advanced p Goran devices h, Virginia Polytechnic Institu bić, University of Novi Sad, Fa Optimization and Selection of Ahmed Mattia Boran Dong Rolando derations for a 100 W USB Ty	ABB, Baden ackaging solutions in power electronics Infineon Technologies Austria AG, Villach te and State University, Blacksburg, United States culty of Technical Sciences, Novi Sad, Serbia Bidirectional DC-DC Converters for Solid Oxide Fuel Cells Virginia Polytechnic Institute and State University, Blacksburg Poe-C Power Delivery in Aircraft Application	United States United States United States United States United States United States	STP - H
7:30h 8:00h SESSION 8:00h 04538	IL1.2 I-T1.3 Chair: Co-chair: T1.3-1	Lazarević Next-generation enablii Mišković Power Converters and o Prof. Dushan Boroyevic Assoc. Prof. Stevan Gral Multi-objective Design (Saafan lurich Fan Dong Burgos Hardware Design Consid	Vladan ng technology for advanced p Goran Jevices h, Virginia Polytechnic Institu bić, University of Novi Sad, Fa Optimization and Selection of Ahmed Mattia Boran Dong Rolando derations for a 100 W USB Tyl Tianyu	ABB, Baden ackaging solutions in power electronics Infineon Technologies Austria AG, Villach te and State University, Blacksburg, United States culty of Technical Sciences, Novi Sad, Serbia Bidirectional DC-DC Converters for Solid Oxide Fuel Cells Virginia Polytechnic Institute and State University, Blacksburg pe-C Power Delivery in Aircraft Application Virginia Polytechnic Institute and State University, Blacksburg	United States	STP - H
7:30h 8:00h SESSION 8:00h 04538	IL1.2 I-T1.3 Chair: Co-chair: T1.3-1	Lazarević Next-generation enablii Mišković Power Converters and c Prof. Dushan Boroyevic Assoc. Prof. Stevan Gral Multi-objective Design (Saafan Iurich Fan Dong Burgos Hardware Design Consideration	Vladan ng technology for advanced p Goran devices h, Virginia Polytechnic Institu bić, University of Novi Sad, Fa Optimization and Selection of Ahmed Mattia Boran Dong Rolando derations for a 100 W USB Tyl Tianyu Rolando	ABB, Baden ackaging solutions in power electronics Infineon Technologies Austria AG, Villach te and State University, Blacksburg, United States culty of Technical Sciences, Novi Sad, Serbia Bidirectional DC-DC Converters for Solid Oxide Fuel Cells Virginia Polytechnic Institute and State University, Blacksburg De-C Power Delivery in Aircraft Application Virginia Polytechnic Institute and State University, Blacksburg Virginia Polytechnic Institute and State University, Blacksburg Virginia Polytechnic Institute and State University, Blacksburg	United States	STP - H
7:30h 8:00h SESSION 8:00h 04538	IL1.2 I-T1.3 Chair: Co-chair: T1.3-1	Lazarević Next-generation enablii Mišković Power Converters and c Prof. Dushan Boroyevic Assoc. Prof. Stevan Gral Multi-objective Design (Saafan lurich Fan Dong Burgos Hardware Design Consideration Burgos Wen	Vladan ng technology for advanced p Goran devices h, Virginia Polytechnic Institu bić, University of Novi Sad, Fa Optimization and Selection of Ahmed Mattia Boran Dong Rolando derations for a 100 W USB Tyl Tianyu Rolando Bo	ABB, Baden ackaging solutions in power electronics Infineon Technologies Austria AG, Villach te and State University, Blacksburg, United States culty of Technical Sciences, Novi Sad, Serbia Bidirectional DC-DC Converters for Solid Oxide Fuel Cells Virginia Polytechnic Institute and State University, Blacksburg pe-C-Power Delivery in Aircraft Application Virginia Polytechnic Institute and State University, Blacksburg	United States	
7:30h 3:00h SESSION 3:00h 04538	IL1.2 I-T1.3 Chair: Co-chair: T1.3-1	Lazarević Next-generation enablii Mišković Power Converters and c Prof. Dushan Boroyevic Assoc. Prof. Stevan Gral Multi-objective Design of Saafan lurich Fan Dong Burgos Hardware Design Consid Zhao Burgos Wen McLean	Vladan ng technology for advanced p Goran devices h, Virginia Polytechnic Institu bić, University of Novi Sad, Fa Optimization and Selection of Ahmed Mattia Boran Dong Rolando derations for a 100 W USB Tyl Tianyu Rolando Bo Andrew	ABB, Baden ackaging solutions in power electronics Infineon Technologies Austria AG, Villach te and State University, Blacksburg, United States culty of Technical Sciences, Novi Sad, Serbia Bidirectional DC-DC Converters for Solid Oxide Fuel Cells Virginia Polytechnic Institute and State University, Blacksburg pe-C Power Delivery in Aircraft Application Virginia Polytechnic Institute and State University, Blacksburg Virginia Polytechnic Institute and State University, Blacksburg Virginia Polytechnic Institute and State University, Blacksburg Collins Aerospace	United States	1
7:30h SESSION SESSION 04538 3:15h 04838	IL1.2 I-T1.3 Chair: Co-chair: T1.3-1	Lazarević Next-generation enablii Mišković Power Converters and c Prof. Dushan Boroyevic Assoc. Prof. Stevan Gral Multi-objective Design (Saafan lurich Fan Dong Burgos Hardware Design Consid Zhao Burgos Wen McLean Mattos	Vladan ng technology for advanced p Goran levices h, Virginia Polytechnic Institu bić, University of Novi Sad, Fa Optimization and Selection of Ahmed Mattia Boran Dong Rolando derations for a 100 W USB Tyl Tianyu Rolando Bo Andrew Rodrigo	ABB, Baden ackaging solutions in power electronics Infineon Technologies Austria AG, Villach te and State University, Blacksburg, United States culty of Technical Sciences, Novi Sad, Serbia Bidirectional DC-DC Converters for Solid Oxide Fuel Cells Virginia Polytechnic Institute and State University, Blacksburg pe-C-Power Delivery in Aircraft Application Virginia Polytechnic Institute and State University, Blacksburg	United States	1
7:30h SESSION SESSION 04538 3:15h 04838	IL1.2 I-T1.3 Chair: Co-chair: T1.3-1	Lazarević Next-generation enablii Mišković Power Converters and c Prof. Dushan Boroyevic Assoc. Prof. Stevan Gral Multi-objective Design (Saafan lurich Fan Dong Burgos Hardware Design Consic Zhao Burgos Wen McLean Mattos A New Highly Step-Dow	Vladan ng technology for advanced p Goran Jevices h, Virginia Polytechnic Institu bić, University of Novi Sad, Fa Optimization and Selection of Ahmed Mattia Boran Dong Rolando derations for a 100 W USB Tyl Tianyu Rolando Bo Andrew Rodrigo on Quadratic Converter	ABB, Baden ackaging solutions in power electronics Infineon Technologies Austria AG, Villach te and State University, Blacksburg, United States culty of Technical Sciences, Novi Sad, Serbia Bidirectional DC-DC Converters for Solid Oxide Fuel Cells Virginia Polytechnic Institute and State University, Blacksburg Percorporation of Polytechnic Institute and State University, Blacksburg Virginia Polytechnic Institute and State University, Blacksburg Collins Aerospace Collins Aerospace	United States United Kingdon United Kingdon	1
7:30h 8:00h SESSION 8:00h 04538 8:15h 04838	IL1.2 I-T1.3 Chair: Co-chair: T1.3-1	Lazarević Next-generation enablii Mišković Power Converters and c Prof. Dushan Boroyevic Assoc. Prof. Stevan Gral Multi-objective Design (Saafan lurich Fan Dong Burgos Hardware Design Consideration Burgos Wen McLean Mattos A New Highly Step-Dow Pop	Vladan ng technology for advanced p Goran devices h, Virginia Polytechnic Institu bić, University of Novi Sad, Fa Optimization and Selection of Ahmed Mattia Boran Dong Rolando derations for a 100 W USB Tyl Tianyu Rolando Bo Andrew Rodrigo on Quadratic Converter Gabriela-Madalina	ABB, Baden ackaging solutions in power electronics Infineon Technologies Austria AG, Villach te and State University, Blacksburg, United States culty of Technical Sciences, Novi Sad, Serbia Bidirectional DC-DC Converters for Solid Oxide Fuel Cells Virginia Polytechnic Institute and State University, Blacksburg De-C Power Delivery in Aircraft Application Virginia Polytechnic Institute and State University, Blacksburg Virginia Polytechnic Institute and State University, Blacksburg Virginia Polytechnic Institute and State University, Blacksburg Collins Aerospace Collins Aerospace Politehnica University Timisoara	United States United Kingdon United Kingdon Romania	1
7:30h 8:00h SESSION 8:00h 04538 8:15h 04838	IL1.2 I-T1.3 Chair: Co-chair: T1.3-1	Lazarević Next-generation enablii Mišković Prof. Dushan Boroyevic Assoc. Prof. Stevan Gral Multi-objective Design (Saafan lurich Fan Dong Burgos Hardware Design Consideration Burgos Wen McLean Mattos A New Highly Step-Dow Pop Jurca	Vladan ng technology for advanced p Goran devices h, Virginia Polytechnic Institu bić, University of Novi Sad, Fa Optimization and Selection of Ahmed Mattia Boran Dong Rolando derations for a 100 W USB Tyl Tianyu Rolando Bo Andrew Rodrigo vn Quadratic Converter Gabriela-Madalina Lucia-Daniela	ABB, Baden ackaging solutions in power electronics Infineon Technologies Austria AG, Villach te and State University, Blacksburg, United States culty of Technical Sciences, Novi Sad, Serbia Bidirectional DC-DC Converters for Solid Oxide Fuel Cells Virginia Polytechnic Institute and State University, Blacksburg pe-C Power Delivery in Aircraft Application Virginia Polytechnic Institute and State University, Blacksburg Virginia Polytechnic Institute and State University, Blacksburg Virginia Polytechnic Institute and State University, Blacksburg Collins Aerospace Collins Aerospace Politehnica University Timisoara Politehnica University Timisoara	Austria United States United Kingdon United Kingdon Romania	1
7:30h SESSION SESSION 04538 3:15h 04838	IL1.2 I-T1.3 Chair: Co-chair: T1.3-1	Lazarević Next-generation enablii Mišković Power Converters and c Prof. Dushan Boroyevic Assoc. Prof. Stevan Gral Multi-objective Design (Saafan lurich Fan Dong Burgos Hardware Design Consideration Burgos Wen McLean Mattos A New Highly Step-Dow Pop	Vladan ng technology for advanced p Goran devices h, Virginia Polytechnic Institu bić, University of Novi Sad, Fa Optimization and Selection of Ahmed Mattia Boran Dong Rolando derations for a 100 W USB Tyl Tianyu Rolando Bo Andrew Rodrigo on Quadratic Converter Gabriela-Madalina	ABB, Baden ackaging solutions in power electronics Infineon Technologies Austria AG, Villach te and State University, Blacksburg, United States coulty of Technical Sciences, Novi Sad, Serbia Bidirectional DC-DC Converters for Solid Oxide Fuel Cells Virginia Polytechnic Institute and State University, Blacksburg pe-C Power Delivery in Aircraft Application Virginia Polytechnic Institute and State University, Blacksburg Virginia Polytechnic Institute and State University, Blacksburg Collins Aerospace Collins Aerospace Politehnica University Timisoara Politehnica University Timisoara Politehnica University Timisoara	United States United Kingdon United Kingdon Romania Romania	1
7:30h 8:00h SESSION 8:00h 04538 8:15h 04838	IL1.2 I-T1.3 Chair: Co-chair: T1.3-1	Lazarević Next-generation enablii Mišković Prof. Dushan Boroyevic Assoc. Prof. Stevan Gral Multi-objective Design (Saafan lurich Fan Dong Burgos Hardware Design Consideration Burgos Wen McLean Mattos A New Highly Step-Dow Pop Jurca	Vladan ng technology for advanced p Goran devices h, Virginia Polytechnic Institu bić, University of Novi Sad, Fa Optimization and Selection of Ahmed Mattia Boran Dong Rolando derations for a 100 W USB Tyl Tianyu Rolando Bo Andrew Rodrigo vn Quadratic Converter Gabriela-Madalina Lucia-Daniela	ABB, Baden ackaging solutions in power electronics Infineon Technologies Austria AG, Villach te and State University, Blacksburg, United States culty of Technical Sciences, Novi Sad, Serbia Bidirectional DC-DC Converters for Solid Oxide Fuel Cells Virginia Polytechnic Institute and State University, Blacksburg pe-C Power Delivery in Aircraft Application Virginia Polytechnic Institute and State University, Blacksburg Virginia Polytechnic Institute and State University, Blacksburg Virginia Polytechnic Institute and State University, Blacksburg Collins Aerospace Collins Aerospace Politehnica University Timisoara Politehnica University Timisoara	Austria United States United Kingdon United Kingdon Romania	1
7:30h SESSION SESSION 04538 3:15h 04838 3:30h 04938	IL1.2 I-T1.3 Chair: Co-chair: T1.3-1	Lazarević Next-generation enablim Mišković Power Converters and of Prof. Dushan Boroyevic Assoc. Prof. Stevan Gral Multi-objective Design of Saafan lurich Fan Dong Burgos Hardware Design Consid Zhao Burgos Wen McLean Mattos A New Highly Step-Dow Pop Jurca Pop-Calimanu Lascu	Vladan ng technology for advanced p Goran Jevices h, Virginia Polytechnic Institu bić, University of Novi Sad, Fa Optimization and Selection of Ahmed Mattia Boran Dong Rolando derations for a 100 W USB Tyl Tianyu Rolando Bo Andrew Rodrigo on Quadratic Converter Gabriela-Madalina Lucia-Daniela loana-Monica Dan	ABB, Baden ackaging solutions in power electronics Infineon Technologies Austria AG, Villach te and State University, Blacksburg, United States coulty of Technical Sciences, Novi Sad, Serbia Bidirectional DC-DC Converters for Solid Oxide Fuel Cells Virginia Polytechnic Institute and State University, Blacksburg pe-C Power Delivery in Aircraft Application Virginia Polytechnic Institute and State University, Blacksburg Virginia Polytechnic Institute and State University, Blacksburg Collins Aerospace Collins Aerospace Politehnica University Timisoara Politehnica University Timisoara Politehnica University Timisoara	United States United Kingdon United Kingdon Romania Romania	1
7:30h	IL1.2 I-T1.3 Chair: Co-chair: T1.3-1 T1.3-2	Lazarević Next-generation enablim Mišković Power Converters and of Prof. Dushan Boroyevic Assoc. Prof. Stevan Gral Multi-objective Design of Saafan lurich Fan Dong Burgos Hardware Design Consid Zhao Burgos Wen McLean Mattos A New Highly Step-Dow Pop Jurca Pop-Calimanu Lascu	Vladan ng technology for advanced p Goran Jevices h, Virginia Polytechnic Institu bić, University of Novi Sad, Fa Optimization and Selection of Ahmed Mattia Boran Dong Rolando derations for a 100 W USB Tyl Tianyu Rolando Bo Andrew Rodrigo on Quadratic Converter Gabriela-Madalina Lucia-Daniela loana-Monica Dan	ABB, Baden ackaging solutions in power electronics Infineon Technologies Austria AG, Villach te and State University, Blacksburg, United States culty of Technical Sciences, Novi Sad, Serbia Bidirectional DC-DC Converters for Solid Oxide Fuel Cells Virginia Polytechnic Institute and State University, Blacksburg Per-C Power Delivery in Aircraft Application Virginia Polytechnic Institute and State University, Blacksburg Collins Aerospace Collins Aerospace Politehnica University Timisoara Politehnica University Timisoara Politehnica University Timisoara	United States United Kingdon United Kingdon Romania Romania	1
	IL1.2 I-T1.3 Chair: Co-chair: T1.3-1 T1.3-2	Lazarević Next-generation enablii Mišković Power Converters and c Prof. Dushan Boroyevic Assoc. Prof. Stevan Gral Multi-objective Design (Saafan lurich Fan Dong Burgos Hardware Design Consider Zhao Burgos Wen McLean Mattos A New Highly Step-Dow Pop Jurca Pop-Calimanu Lascu Optimized inductance in	Vladan ng technology for advanced p Goran devices h, Virginia Polytechnic Institu bić, University of Novi Sad, Fa Optimization and Selection of Ahmed Mattia Boran Dong Rolando derations for a 100 W USB Tyl Tianyu Rolando Bo Andrew Rodrigo In Quadratic Converter Gabriela-Madalina Lucia-Daniela loana-Monica Dan nethod based on neural netw	ABB, Baden ackaging solutions in power electronics Infineon Technologies Austria AG, Villach te and State University, Blacksburg, United States culty of Technical Sciences, Novi Sad, Serbia Bidirectional DC-DC Converters for Solid Oxide Fuel Cells Virginia Polytechnic Institute and State University, Blacksburg Collins Aerospace Collins Aerospace Politehnica University Timisoara Politehnica University Timisoara Politehnica University Timisoara Politehnica University Timisoara orks for wireless power transfer applications in implantable medical devices	United States United Kingdon United Kingdon Romania Romania Romania Romania	1
7:30h	IL1.2 I-T1.3 Chair: Co-chair: T1.3-1 T1.3-2	Lazarević Next-generation enablim Mišković Power Converters and ce Prof. Dushan Boroyevic Assoc. Prof. Stevan Gral Multi-objective Design of Saafan Lurich Fan Dong Burgos Hardware Design Consider Zhao Burgos Wen McLean Mattos A New Highly Step-Dow Pop Jurca Pop-Calimanu Lascu Optimized inductance in Rodríguez Fuentes	Vladan ng technology for advanced p Goran Jevices h, Virginia Polytechnic Institu bić, University of Novi Sad, Fa Optimization and Selection of Ahmed Mattia Boran Dong Rolando derations for a 100 W USB Tyl Tianyu Rolando Bo Andrew Rodrigo rn Quadratic Converter Gabriela-Madalina Lucia-Daniela Ioana-Monica Dan nethod based on neural netw Álvaro Miguel	ABB, Baden ackaging solutions in power electronics Infineon Technologies Austria AG, Villach te and State University, Blacksburg, United States culty of Technical Sciences, Novi Sad, Serbia Bidirectional DC-DC Converters for Solid Oxide Fuel Cells Virginia Polytechnic Institute and State University, Blacksburg Collins Aerospace Collins Aerospace Politehnica University Timisoara Politehnica University Timisoara Politehnica University Timisoara Politehnica University Timisoara orks for wireless power transfer applications in implantable medical devices Universidad Politécnica de Madrid	United States United Kingdon United Kingdon United Kingdon Romania Romania Romania Romania Spain	ו
7:30h	IL1.2 I-T1.3 Chair: Co-chair: T1.3-1 T1.3-2	Lazarević Next-generation enablim Mišković Power Converters and of Prof. Dushan Boroyevic Assoc. Prof. Stevan Gral Multi-objective Design of Saafan lurich Fan Dong Burgos Hardware Design Consid Zhao Burgos Wen McLean Mattos A New Highly Step-Dow Pop Jurca Pop-Calimanu Lascu Optimized inductance in Rodríguez Fuentes Jiménez Carrizosa Ramos	Vladan ng technology for advanced p Goran Jevices h, Virginia Polytechnic Institu bić, University of Novi Sad, Fa Optimization and Selection of Ahmed Mattia Boran Dong Rolando derations for a 100 W USB Tyl Tianyu Rolando Bo Andrew Rodrigo vn Quadratic Converter Gabriela-Madalina Lucia-Daniela loana-Monica Dan nethod based on neural netw Álvaro Miguel Regina	ABB, Baden ackaging solutions in power electronics Infineon Technologies Austria AG, Villach te and State University, Blacksburg, United States culty of Technical Sciences, Novi Sad, Serbia Bidirectional DC-DC Converters for Solid Oxide Fuel Cells Virginia Polytechnic Institute and State University, Blacksburg Collins Aerospace Collins Aerospace Politehnica University Timisoara	United States United Kingdon United Kingdon Romania Romania Romania Romania Spain Spain	ו
7:30h 8:00h	IL1.2 I-T1.3 Chair: Co-chair: T1.3-1 T1.3-2	Lazarević Next-generation enablii Mišković Power Converters and c Prof. Dushan Boroyevic Assoc. Prof. Stevan Gral Multi-objective Design (Saafan Iurich Fan Dong Burgos Hardware Design Consid Zhao Burgos Wen McLean Mattos A New Highly Step-Dow Pop Jurca Pop-Calimanu Lascu Optimized inductance in Rodríguez Fuentes Jiménez Carrizosa Ramos Delgado	Vladan ng technology for advanced p Goran Jevices h, Virginia Polytechnic Institu bić, University of Novi Sad, Fa Optimization and Selection of Ahmed Mattia Boran Dong Rolando derations for a 100 W USB Tyl Tianyu Rolando Bo Andrew Rodrigo In Quadratic Converter Gabriela-Madalina Lucia-Daniela loana-Monica Dan nethod based on neural netw Alvaro Miguel Regina Alberto	ABB, Baden ackaging solutions in power electronics Infineon Technologies Austria AG, Villach te and State University, Blacksburg, United States culty of Technical Sciences, Novi Sad, Serbia Bidirectional DC-DC Converters for Solid Oxide Fuel Cells Virginia Polytechnic Institute and State University, Blacksburg Collins Aerospace Collins Aerospace Collins Aerospace Collins Aerospace Politehnica University Timisoara Politehnica Universida Politécnica de Madrid Universidad Politécnica de Madrid Universidad Politécnica de Madrid Universidad Politécnica de Madrid Universidad Politécnica de Madrid	United States United Kingdon United Kingdon United Kingdon Romania Romania Romania Romania Spain	1
7:30h SESSION SESSION 04538 3:30h 04938 3:30h 04938	IL1.2 I-T1.3 Chair: Co-chair: T1.3-1 T1.3-2	Lazarević Next-generation enablii Mišković Power Converters and c Prof. Dushan Boroyevic Assoc. Prof. Stevan Gral Multi-objective Design (Saafan Iurich Fan Dong Burgos Hardware Design Consid Zhao Burgos Wen McLean Mattos A New Highly Step-Dow Pop Jurca Pop-Calimanu Lascu Optimized inductance in Rodríguez Fuentes Jiménez Carrizosa Ramos Delgado Optimization of custom	Vladan ng technology for advanced p Goran devices h, Virginia Polytechnic Institu bić, University of Novi Sad, Fa Optimization and Selection of Ahmed Mattia Boran Dong Rolando derations for a 100 W USB Tyl Tianyu Rolando Bo Andrew Rodrigo on Quadratic Converter Gabriela-Madalina Lucia-Daniela loana-Monica Dan nethod based on neural netw Álvaro Miguel Regina Alberto Ferrite E-core-shaped transfo	ABB, Baden ackaging solutions in power electronics Infineon Technologies Austria AG, Villach te and State University, Blacksburg, United States culty of Technical Sciences, Novi Sad, Serbia Bidirectional DC-DC Converters for Solid Oxide Fuel Cells Virginia Polytechnic Institute and State University, Blacksburg Collins Aerospace Collins Aerospace Collins Aerospace Politehnica University Timisoara orks for wireless power transfer applications in implantable medical devices Universidad Politécnica de Madrid	United States United Kingdon United Kingdon Romania Romania Romania Romania Spain Spain Spain	1
7:30h SESSION SESSION 04538 3:30h 04938 3:30h 04938	IL1.2 I-T1.3 Chair: Co-chair: T1.3-1 T1.3-2	Lazarević Next-generation enablii Mišković Power Converters and o Prof. Dushan Boroyevic Assoc. Prof. Stevan Gral Multi-objective Design o Saafan lurich Fan Dong Burgos Hardware Design Consid Zhao Burgos Wen McLean Mattos A New Highly Step-Dow Pop Jurca Pop-Calimanu Lascu Optimized inductance in Rodríguez Fuentes Jiménez Carrizosa Ramos Delgado Optimization of custom Bouvier	Vladan ng technology for advanced p Goran devices h, Virginia Polytechnic Institu bić, University of Novi Sad, Fa Optimization and Selection of Ahmed Mattia Boran Dong Rolando derations for a 100 W USB Tyl Tianyu Rolando Bo Andrew Rodrigo rn Quadratic Converter Gabriela-Madalina Lucia-Daniela loana-Monica Dan nethod based on neural netw Alvaro Miguel Regina Alberto I-Ferrite E-core-shaped transfor	ABB, Baden ackaging solutions in power electronics Infineon Technologies Austria AG, Villach te and State University, Blacksburg, United States culty of Technical Sciences, Novi Sad, Serbia Bidirectional DC-DC Converters for Solid Oxide Fuel Cells Virginia Polytechnic Institute and State University, Blacksburg Per-C Power Delivery in Aircraft Application Virginia Polytechnic Institute and State University, Blacksburg Virginia Polytechnic Institute and State University, Blacksburg Virginia Polytechnic Institute and State University, Blacksburg Collins Aerospace Collins Aerospace Politehnica University Timisoara Politevas power transfer applications in implantable medical devices Universidad Politécnica de Madrid	Austria United States United Kingdon United Kingdon Romania Romania Romania Romania Romania Spain Spain Spain Spain	1
7:30h	IL1.2 I-T1.3 Chair: Co-chair: T1.3-1 T1.3-2	Lazarević Next-generation enablim Mišković Power Converters and of Prof. Dushan Boroyevic Assoc. Prof. Stevan Gral Multi-objective Design of Saafan lurich Fan Dong Burgos Hardware Design Consid Zhao Burgos Wen McLean Mattos A New Highly Step-Down Pop Jurca Pop-Calimanu Lascu Optimized inductance in Rodríguez Fuentes Jiménez Carrizosa Ramos Delgado Optimization of custom Bouvier Salinas	Vladan ng technology for advanced p Goran Jevices h, Virginia Polytechnic Institu bić, University of Novi Sad, Fa Optimization and Selection of Ahmed Mattia Boran Dong Rolando derations for a 100 W USB Tyl Tianyu Rolando Bo Andrew Rodrigo rn Quadratic Converter Gabriela-Madalina Lucia-Daniela loana-Monica Dan nethod based on neural netw Álvaro Miguel Regina Alberto Ferrite E-core-shaped transfor	ABB, Baden ackaging solutions in power electronics Infineon Technologies Austria AG, Villach te and State University, Blacksburg, United States culty of Technical Sciences, Novi Sad, Serbia Bidirectional DC-DC Converters for Solid Oxide Fuel Cells Virginia Polytechnic Institute and State University, Blacksburg Collins Aerospace Collins Aerospace Politehnica University Timisoara	Austria United States United Kingdon United Kingdon United Kingdon Spain Spain Spain Spain Spain Spain Spain	1
7:30h SESSION SESSION 04538 3:30h 04938 3:30h 04938	IL1.2 I-T1.3 Chair: Co-chair: T1.3-1 T1.3-2	Lazarević Next-generation enablii Mišković Power Converters and o Prof. Dushan Boroyevic Assoc. Prof. Stevan Gral Multi-objective Design o Saafan lurich Fan Dong Burgos Hardware Design Consid Zhao Burgos Wen McLean Mattos A New Highly Step-Dow Pop Jurca Pop-Calimanu Lascu Optimized inductance in Rodríguez Fuentes Jiménez Carrizosa Ramos Delgado Optimization of custom Bouvier	Vladan ng technology for advanced p Goran devices h, Virginia Polytechnic Institu bić, University of Novi Sad, Fa Optimization and Selection of Ahmed Mattia Boran Dong Rolando derations for a 100 W USB Tyl Tianyu Rolando Bo Andrew Rodrigo rn Quadratic Converter Gabriela-Madalina Lucia-Daniela loana-Monica Dan nethod based on neural netw Alvaro Miguel Regina Alberto I-Ferrite E-core-shaped transfor	ABB, Baden ackaging solutions in power electronics Infineon Technologies Austria AG, Villach te and State University, Blacksburg, United States culty of Technical Sciences, Novi Sad, Serbia Bidirectional DC-DC Converters for Solid Oxide Fuel Cells Virginia Polytechnic Institute and State University, Blacksburg Per-C Power Delivery in Aircraft Application Virginia Polytechnic Institute and State University, Blacksburg Virginia Polytechnic Institute and State University, Blacksburg Virginia Polytechnic Institute and State University, Blacksburg Collins Aerospace Collins Aerospace Politehnica University Timisoara Politevas power transfer applications in implantable medical devices Universidad Politécnica de Madrid	Austria United States United Kingdon United Kingdon Romania Romania Romania Romania Romania Spain Spain Spain Spain	1



	-T5.2		, Smart Grids, and Energy Si		STP - Ha
	Chair:		copio, University of Genoa,		
:00h 03538	Co-chair: T5.2-1			culty of Technical Sciences, Novi Sad, Serbia attery Power Supply for DC Drive System	
:UUN U3538	15.2-1	Arbuzina	Arina	ITMO University	Russian Federation
		Arkharova	Margarita	ITMO University	Russian Federation
		Politsinsky	Alexander	ITMO University	Russian Federation Russian Federation
		Demidova	Galina	ITMO University	Russian Federation
			Akhil	Huazhong University of Science and Technology	China
		Garg Poliakov	Nikolai	ITMO University	Russian Federation
:15h 04338	T5.2-2			ng Feedforward Neural Networks	Russian Federation
.1311 04336	13.2-2	Ivanović	•		Serbia
			Luka Đorđe	University of Belgrade, Electrical Institute Nikola Tesla University of Belgrade, Electrical Institute Nikola Tesla	Serbia
		Stojić Veinović	Slavko	University of Belgrade, Electrical Institute Nikola Tesla	Serbia
				. 9 .	
		Joksimović	Dušan	University of Belgrade, Electrical Institute Nikola Tesla	Serbia
		Klasnić	Ilija C-*-	University of Belgrade, Electrical Institute Nikola Tesla	Serbia
		Milić	Saša	University of Belgrade, Electrical Institute Nikola Tesla	Serbia
201- 05220	TE 2.2	Rakić	Aleksandar	University of Belgrade, School of Electrical Engineering	Serbia
30h 05338	T5.2-3			ol in Inverter-Interfaced Microgrids	Cambia
		Vekic	Marko	University of Novi Sad, Faculty of Technical Sciences	Serbia
		Isakov	Ivana	University of Novi Sad, Faculty of Technical Sciences	Serbia
		Rapaić	Milan	University of Novi Sad, Faculty of Technical Sciences	Serbia
		Todorović	lvan	University of Novi Sad, Faculty of Technical Sciences	Serbia
		Grabić	Stevan	University of Novi Sad, Faculty of Technical Sciences	Serbia
451 05	TE 0 :	Bašić	Mateo	University of Split, Department of Power Engineering	Croatia
45h 05638	T5.2-4	-		anagement system for a microgrid application	CE1-
		Bojovic	Petar D.	Union University Belgrade, The School of Computing	Serbia
001 05=00	TE 2 -	Bojovic	Zivko	University of Novi Sad, Faculty of Technical Sciences	Serbia
:00h 05738	T5.2-5		ting through the identificati		
		Turudić	Slađana	University of Novi Sad, Faculty of Technical Sciences	Serbia
		Selakov	Aleksandar	University of Novi Sad, Faculty of Technical Sciences	Serbia
		Janković	Zoran	University of Novi Sad, Faculty of Technical Sciences	Serbia
00h SESSION		Automotive and Industri			STP - Ha
	Chair:			on, Moscow Power Engineering Institute, Moscow, Russian Federation	
	Co-chair:		al Engineering Institute Nik		
00h 00538	T2.1-1	-	•	g Machines under Open Circuit Fault	
		Lashkevich	Maxim	Moscow Power Engineering Institute	Russian Federation
		Ali	Yousef	Moscow Power Engineering Institute	Russian Federation
		Stolyarov	Evgeniy	Moscow Power Engineering Institute	Russian Federation
		Fedorova	Ksenia	Moscow Power Engineering Institute	Russian Federation
		Kulik	Egor	Moscow Power Engineering Institute	Russian Federation
		Anuchin	Alecksey	Moscow Power Engineering Institute	Russian Federation
:15h 00938	T2.1-2	Induction Motor State O	bserver with Online Tuning	of Main Parameters	
		Gulyaeva	Maria	Moscow Power Engineering Institute	Russian Federation
		Fedorova	Ksenia	Moscow Power Engineering Institute	Russian Federation
		Lashkevich	Maxim	Moscow Power Engineering Institute	Russian Federation
		Kulik	Egor	Moscow Power Engineering Institute	Russian Federation
		Aliamkin	Dmitry	Moscow Power Engineering Institute	Russian Federation
		Anuchin	Alecksey	Moscow Power Engineering Institute	Russian Federation
:30h 01038	T2.1-3			otor Drives Using Extended SOGI	
		Stojić	Djordje	University of Belgrade, Electrical Institute Nikola Tesla	Serbia
		Veinović	Slavko	University of Belgrade, Electrical Institute Nikola Tesla	Serbia
		Ivanović	Luka	University of Belgrade, Electrical Institute Nikola Tesla	Serbia
45h 02838	T2.1-4		PMSM Drive Using Superca		Scripia
02030	12.1-4	Banović	Milica		Serbia
				University of Belgrade, School of Electrical Engineering	
		Despotović	Željko	University of Belgrade, Institute Mihjalo Pupin	Serbia
00h 05838	T2.1-5	Jerkan	Dejan	University of Novi Sad, Faculty of Technical Sciences	Serbia
UUII U3638	12.1-5			us Machines Using Moving Horizon Estimation Considering Nonlinear Flux Linkage	60
		Pang	Yuebin	BMW AG	Germany
		Knezevic	Jovan	BMW AG	Germany
		Glose	Daniel	BMW AG	Germany
0.01		Hackl	Christoph	University of Applied Sciences, Hochschule München (HM)	Germany
00h		Awards and Gala Diner		Restaurant "Alaska Barka", Novi Sad	
turday, 28	Oct. 2023				
		d Tachnology Barly (CTD)			
	u, science an	d Technology Park (STP)			
:00h		NOVI SAD Registration d			
30 - 11:30h	TT-1:	Tutorial 1 (Coffee Break			Science and Technology Park (STP) - Ha
	Chair:	•	rsity of Novi Sad, Faculty of	Technical Sciences, Novi Sad, Serbia	
		Darko Vračar			
			hen) GmbH, Munich, Germa	·	
		"Development of Power	Electronics Hardware in Indu	ustrial and Automotive Environments"	
00h		Coffee Break			
30 - 11:30h		IEEE Life Member Affinit	y Group Meeting		STP - H
		Prof. Katić	Vladimir	Interim Chair	3,1 -11
		Serbia Power Electronics			STP - H
30 - 12·30h				Described of the Continue Description Continue C	31P - H
30 - 12:30h		Prof Katić	Vladimir		
30 - 12:30h		Prof. Katić	Vladimir	President of the Serbian Power Electronics Society, Novi Sad	
30 - 12:30h 30h		Prof. Katić CLOSING OF THE CONFEI		President of the Serbian Power Electronics Society, Novi Sad	STP - H.



XXII Savetovanje Energetska elektronika - Ee 2023 **Finalni Program**

Subota, 28. Oktobar 2023. **NOVI SAD**

Sreda, 25 Okt	2022				
Jieua, 25 Oki	2023.	PO PROGRAMUIZA	22 nd INTERNATIONAL SYM	1POSIUM on POWER ELECTRONICS	
×	01 . 0000	PO PROGRAIVIO ZA	22 INTERNATIONAL STIV	IPOSIONI DII POWER ELECTRONICS	
Četvrtak, 26 (Okt. 2023.				
		PO PROGRAMU ZA	22 nd INTERNATIONAL SYN	1POSIUM on POWER ELECTRONICS	
Petak, 27 Okt	. 2023.				
		PO PROGRAMU ZA	22 nd INTERNATIONAL SYN	1POSIUM on POWER ELECTRONICS	
Subota, 28 O	kt. 2023.				
		Technology Park (S	TD\		
08:00	u, science and	REGISTRACIJA	irj		
38.00		REGISTRACIJA			
ld rada	Tema	Naslov rada i Autor	i		Država / Mesto
08:30h SESIJA -:			RONIKA I SRODNE OBLAS	TI	NTP - Sala 1
ACIDON SESION	Predsed.:			oplje, Severna Makedonija	1411 Sala 2
	Ko-Predsed.:			ultet tehničkih nauka, Novi Sad, Srbija	
08:30h 00439	S1-1		VA ENERGETSKA ELEKTROI		
		Katić	Vladimir	Univerzitet u Novom Sadu, Fakultet tehničkih nauka, Novi Sad	Srbija
		Nikolić	Dragomir	Univerzitet u Novom Sadu, Fakultet tehničkih nauka, Novi Sad	Srbija
		Čorba	Zoltan	Univerzitet u Novom Sadu, Fakultet tehničkih nauka, Novi Sad	Srbija
		Stanisavljević	Aleksandar	Univerzitet u Novom Sadu, Fakultet tehničkih nauka, Novi Sad	Srbija
		Cvetićanin	Stevan	Univerzitet u Novom Sadu, Fakultet tehničkih nauka, Novi Sad	Srbija
		Gerić	Ljubinka	Univerzitet u Novom Sadu, Fakultet tehničkih nauka, Novi Sad	Srbija
		Galić	Jadranka	Društvo za energetsku elektroniku, Novi Sad	Srbija
08:45H 00539	S1-2		UPOVA ENERGETSKA ELEK		5. 5.Ju
		Katić	Vladimir	Univerzitet u Novom Sadu, Fakultet tehničkih nauka, Novi Sad	Srbija
		Nikolić	Dragomir	Univerzitet u Novom Sadu, Fakultet tehničkih nauka, Novi Sad	Srbija
		Čorba	Zoltan	Univerzitet u Novom Sadu, Fakultet tehničkih nauka, Novi Sad	Srbija
		Stanisavljević	Aleksandar	Univerzitet u Novom Sadu, Fakultet tehničkih nauka, Novi Sad	Srbija
		Cvetićanin	Stevan	Univerzitet u Novom Sadu, Fakultet tehničkih nauka, Novi Sad	Srbija
		Gerić	Ljubinka	Univerzitet u Novom Sadu, Fakultet tehničkih nauka, Novi Sad	Srbija
		Galić	Jadranka	Društvo za energetsku elektroniku, Novi Sad	Srbija
9:00H 00239	S1-3			I SMETNJI KORIŠĆENJEM ANALIZATORA SPEKTRA	2.2.,
		Damnjanović	Mirjana	Univerzitet u Novom Sadu, Fakultet tehničkih nauka, Novi Sad	Srbija
		Kisić	Milica	Univerzitet u Novom Sadu, Fakultet tehničkih nauka, Novi Sad	Srbija
9:15H 00339	S1-4			/ESTITORA I TEHNIČKIH MOGUĆNOSTI IZGRADNJE FOTONAPONSKIH ELEKTRANA	•
		Čorba	Zoltan	Univerzitet u Novom Sadu, Fakultet tehničkih nauka, Novi Sad	Srbija
		Milićević	Dragan	Univerzitet u Novom Sadu, Fakultet tehničkih nauka, Novi Sad	Srbija
		Popadić	Bane	Univerzitet u Novom Sadu, Fakultet tehničkih nauka, Novi Sad	Srbija
		Dumnić	Boris	Univerzitet u Novom Sadu, Fakultet tehničkih nauka, Novi Sad	Srbija
		Cvetićanin	Stevan	Univerzitet u Novom Sadu, Fakultet tehničkih nauka, Novi Sad	Srbija
9:30h 00139	S1-5	PRELAZNI REŽIMI PI	RILIKOM ENERGIZACIJE TR	ANSFORMATORA I KABLA	•
		Milanković	Filip	Univerzitet u Novom Sadu, Fakultet tehničkih nauka, Novi Sad	Srbija
9:45h 00639	S1-6	NAUČNI SKUPOVI I	INDIKATORI PRAĆENJA NJ	IHOVOG UTICAJA	
		Katić	Vladimir	Univerzitet u Novom Sadu, Fakultet tehničkih nauka, Novi Sad	Srbija
L0:00h		Pauza za osveže	nje		
11:30 - 12:30h		GODIŠNJA SKUPŠTII	NA DRUŠTVA ZA ENERGET	SKU ELEKTRONIKU	NTP - Sala
		Prof. Katić	Vladimir	Predsednik Društva za energetsku elektroniku, Novi Sad	
12:30h		ZATVARANJE SKUPA	Δ		NTP - Sala

Under auspices of







Exhibitors:





























