

# SIELMEN 2021 TECHNICAL PROGRAM

**THURSDAY - OCTOBER 7, 2021**

**14.00 Microsoft Teams platform opening**

<b>14.00</b>	<b>OFFICIAL OPENING</b>	<a href="#">Microsoft Teams LINK - GENERAL</a>
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<b>PLENARY SESSIONS</b>	<a href="#">Microsoft Teams LINK - GENERAL</a>
<b>Chairs:</b> Ilie Nucă, Cristian Fosălău	
<b>14.45</b> Alecksey ANUCHIN, Galina DEMODOVA	„Improving Reliability of Traction Electric Drives: Encoderless Operation and Active Thermal Control,
<b>15.15</b> Ioan TUDOSA	“Measurements and Instrumentation for Hardware Security in IoT era: challenges and new research opportunities”
<b>15.45</b> BREAK	

<b>SECTION SESSIONS</b>	
<b>CLASS 1</b>	
<b>MMS 1 (Metrology and measurement systems 1)</b>	<a href="#">LINK MMS</a>
<b>16.00</b>	<b>Chairs:</b> Monica Siroux, Cristian Zet
Turos Laszlo-Zsolt and Alexandru Salceanu	ESR and capacity measurement of Supercapacitor banks
Robert Fuior, Alexandru Salceanu	System for Monitoring Vital Biopotentials
Dorin Botoc, Monica Siroux, Alexandru Salceanu and Olga Plopă	Exergetic approach for magnetic refrigeration
Lucian Nita	Web Page for Data Acquisition by Accessing Local Computer Resources
Cătălin Damian and Denis Donu	Design and Implementation of the Control Unit for a Non Pressurised Solar Heating System
Cristian Zet, Cristian Fosălău, Anamaria Hariton	Study on the possibilities of detecting recyclable waste using the dielectric properties of materials
	<b>ID</b>
	9
	68
	81
	70
	105
	109

**17.30** BREAK

<b>MMS 2 (Metrology and measurement systems 2)</b>	<a href="#">LINK MMS</a>
<b>17.45</b> <b>Chairs:</b> Monica Siroux, Alexandru Salceanu	
Gheorghitanu Ionut and Codrin Donciu	Distance measurement method based on average interpupillary distance
Gheorghitanu Ionut, Codrin Donciu and Marinela Temneanu	Shaking table on one axis with electrodynamic actuator
Iulian Ghinda and Codrin Donciu	Distance Measurement using the sound card of a computer and two microphones
Cătălin Damian, Alexandru Sofronie, Lenuța Alboie	SmartDPO - Template Based, Integrated Flow Document Management System
Cătălin Damian and Adelina Răducan	Using A* Algorithm for Autonomous Taxi Application
	<b>ID</b>
	88
	92
	114
	56
	106

**19.00**

<b>MEE (Materials, Eco-design and Electro-ecology)</b>	<a href="#">LINK MEE</a>
<b>18.30</b> <b>Chairs:</b> Mircea-Emilian Ardeleanu, Marius Olariu	
Mircea-Emilian Ardeleanu, Aurelia Scornea, Dan Gabriel Stanescu, Ioana-Gabriela Sirbu and Ionut Burciu	Modern Methods of Analysing the Transformer Oil
Maria Ursan, George-Andrei Ursan, Olga Plopă, Alin-Alexandru Olteanu and Ileana Ursu	Dielectric Properties of Malleable Composite Materials in Electromagnetic Field
George-Andrei Ursan, Maria Ursan, Olga Plopă, Raluca Mihaela Ursuleasa and Costel Tugui	Obtaining of the Paints with Electromagnetic Shielding Properties
Vasile Eusebiu Toader, Laurentiu Dan Milici, Ciprian Bejenar and Mariana Rodica Milici	Development and Testing of Different Types of Polymer-based Electrical Actuators
Mona Andrei, Mihaela Aradoaei, Sebastian Mihail Pascu, Sebastian Teodor Aradoaei	Modeling and simulation of electromagnetic absorption properties of nano-structured composites in the radio frequency/microwave range
Mona Andrei, Mihaela Aradoaei, Andreea-Maria Lucaci, Sebastian Teodor Aradoaei	Design of the nano / micro scale structure of nanostructured composites activable in the the radio frequency/microwave range depending on the frequency of the electromagnetic field
	<b>ID</b>
	72
	87
	93
	104
	110
	122

**20.00**

<b>CLASS 2</b>	
<b>EM 1(Electrical Machines 1)</b>	
<b>16.00</b>	<a href="#">LINK ME</a>
<b>Chairs:</b> Francesco Benzi, Adrian Munteanu	
Oana Vasilica Grosu, Mihaela Pavel, Laurentiu Milici, Ciprian Bejenar, Ovidiu-Magdin Tanta and Mihai Cenusă	Bibliometric Analysis in the Field of Polymeric Motors
Francesco Benzi, Ezio Bassi and Francesco Vercesi	CAE optimization of Synchronous Reluctance motor and vibro-acoustic analysis for lift systems
Veronica-Carmen GHEORGHE	THEORETICAL CONSIDERATIONS, NOVEL THEORY FOR THE TRANSFORMERS FROM THE NATIONAL AND INTERNATIONAL ENERGY SYSTEM
Petru Todos, Ghenadie Terteia, Ilie Nuca, Vadim Cazac, Marcel Burduniuc	Acceptance Testing of the Six-Phase Asynchronous Machines
Voinea Radu Cociu, Livia Cociu	On the Transient of the Induction Machine with Rotor in Motion when Connecting to the Power Supply
	<b>ID</b>
	35
	41
	62
	125
	85

**17.15** BREAK

	<b>EM 2(Electrical Machines 2)</b>	<a href="#">LINK ME</a>	
<b>17.30</b>	<b>Chairs:</b> Elisabeta Spunei, Petru Todos		<b>ID</b>
Adrian Munteanu	Fault Tolerant Fractional-Slot Concentrated-Wound Permanent Magnet Synchronous Motor with Redundancy for Critical Applications	84	
Adrian Munteanu, Ion Nastas, Alecsandru Simion, Leonard Livadaru, Bogdan Virlan and Ionut Nacu	A New Topology of Fractional-Slot Concentrated-Wound Permanent Magnet Synchronous Motor with Grain-Oriented Electric Steel for Stator Laminations	89	
Bogdan Virlan, Adrian Munteanu, Leonard Livadaru, Alecsandru Simion and Ionut Nacu	Design and Optimization of a BLDC Motor for Small Power Vehicles	108	
Spunei Elisabeta, Piroi Ion and Piroi Florina	Equalizing Links on DC Machine Windings	40	
Octavian Mangos,	Study of the Circulation of Heat Transfer Fluid in the Permanent Magnets Thermogenerator	131	
<b>18.45</b>			
	<b>ETAE (Electrical Traction and Automotive Equipment)</b>	<a href="#">LINK ETAE</a>	
<b>18.30</b>	<b>Chairs:</b> Alecksey Anuchin, Alexandru Tarlajanu, Gabriel Chiriac		<b>ID</b>
Alin Dragomir, Maricel Adam, Mihai Andrușă, Silviu Marian Antohi, Cosmin Nistor Deac, Seeram Ramakrishna	Perspectives on Railway Electric Traction System Improvement Brought by Monitoring the Impedance Bonds	1	
Tarlajanu Alexandru	Development of vector control structures for traction systems with six-phase asynchronous motors	38	
Iurie Nuca, Ilie Nuca, Marcel Burduniuc, Vadim Cazac, Dusan Kostic and Petre-Marian Nicolae	Harmonic Decomposition and Power Quality Analysis of a Six-Phase Induction Motor Traction Drive with Fast Fourier Transform	107	
Alecksey Anuchin, Evgeniy Stolyarov, Maria Gulyaeva, Alexander Zharkov, Maxim Lashkevich and Dmitry Aljamkin	Comparative Analysis of Active Damping Techniques in Electric and Hybrid Electric Powertrains	117	
Gabriel Chiriac, Dorin D. Lucache, Costica Nituca and Georgel Gabor	Aspects Regarding the Heating of Electric buses	118	
Adrian Turcanu, Ilie Nuca and Vadim Cazac	Development of Powertrain System Model for Urban Passenger Vehicle Simulations	129	
<b>20.00</b>			
	<b>CLASS 3</b>		
	<b>ARM (Automation, Robots and Mechatronics)</b>	<a href="#">LINK ARM</a>	
<b>16.00</b>	<b>Chairs:</b> Irina Cojuhari, Marian Poboroniuc		<b>ID</b>
Ababii Victor, Sudacevscii Viorica, Munteanu Silvia, Borozan Olesea, Nistriuc Ana, Lasco Victor	IoT based on Membrane Computing Models	3	
Hamid Alshareefi and Ciprian Lupu	Real-Time Model Predictive Control with Online State Estimator for Series Fans Processes	4	
Alexandru Mitocaru, Marian-Silviu Poboroniuc, Danut Irimia, Alina Baciu	Comparison Between Two Brain Computer Interface Systems Aiming to Control a Mobile Robot	52	
Bartolomeu Izvoreanu, Irina Cojuhari, Ion Fiodorov, Adrian Seceriu, Dumitru Moraru and Mihail Potlog	Synthesis of the PID Control Algorithm for the Models of Objects with Second Order Astatism	54	
Radu Ionascu, Andrei-Iulian Roman, Marian-Silviu Poboroniuc, Danut-Constantin Irimia, Alexandru Mitocaru	A smart FES&mecatronic glove system MANUTEX aiming for recovery of the upper limb in stroke people	76	
Bartolomeu Izvoreanu, Irina Cojuhari, Ion Fiodorov, Adrian Seceriu, Dumitru Moraru and Mihail Potlog	Synthesis of the Control Algorithm to the Models of Objects with Inertia First Order and Second Order Astatism	78	
<b>17.30</b>			
	<b>EA &amp; EFEC (Electrical Apparatus &amp; Electromagnetic Field and Electrical Circuits)</b>	<a href="#">LINK EA &amp; EFEC</a>	
<b>17.30</b>	<b>Chairs:</b> Camelia Petrescu, Kiorsak Michael, Maricel Adam		<b>ID</b>
Silviu Marian Antohi, Maricel Adam, Alin Dragomir, Mihai Andrusca, Marian Atanasoaei, Alexandru Miron, Anamaria Iamandi	About Communication Networks Used within Electrical Equipment	79	
Constantin Daniel Oancea and Florin Calin	The Design and Analysis of a Control Circuit of the Offset from the Voltage Zero Crossing	2	
Radu Fechet, Adrian Graur, Andrei-Marius Silaghi, Aldo De Sabata	Solution for remote microclimate monitoring in Low Voltage / High Voltage switchgear cells	96	
Marius Vasile Ursachianu, Ovidiu Bejenaru, Catalin Lazarescu, Alexandru Salcean, Marius Paulet	The Assessment of Human Exposure in Iasi-City using Data Provided by The National Autonomous RF-EMF Monitoring System throughout 2020	58	
Lavinia Ferariu and Camelia Petrescu	Solving Multimodal Problems Using Genetic Algorithms – A Case Study in Electromagnetics	69	
Kiorsak Michael and Turturica Natalya	Simulation of Filters of Six Symmetrical Components of Currents (Voltages) of Controlled Self-Compensating Power Lines	94	
Vlad Scarlatache, Marius Andrei Olariu, Sebastian T Aradoaei, Tudor Alexandru Filip	An Overview On Nonvolatile Memories Used In Automotive Industry	126	
<b>19.15</b>			
	<b>EEE (Engineering Education and Evocations)</b>	<a href="#">LINK EEE</a>	
<b>18.15</b>	<b>Chairs:</b> Gheorghe Manolea, Angela Suletea		<b>ID</b>
George-Andrei Ursan, Olga Plopă and Maria Ursan	PLCs' Inputs and Outputs Response Time Testing Application	12	
George-Andrei Ursan, Olga Plopă and Maria Ursan	Testing Stand Using Hardware Description Languages	13	
Maria Ursan, George-Andrei Ursan and Olga Plopă	Practical Application for Monitoring the Behavior of a Series RLC Circuit	14	
Sergiu Dintu, Angela Suletea	On-line evaluation in graphic engineering disciplines	32	
Gheorghe Manolea, Ionel Alboteanu, Dumitru Sacerdotianu, Sorin Stepan	Ph.D. Research, Component of the Engineering Education	42	
Ionel Pavel, Marius Brânzilă, Constantin Sărmașanu, Costel Donose	LabVIEW based control and monitoring of a remote test-bench experiment for teaching laboratories	100	
Mihai Rata, Gabriela Rata, Adrian Graur, Ciprian Bejenar	Automation Design of a Two-Axis Control using Sinamics S210 and S7-1511T PLC	123	
<b>20.00</b>	END OF PRESENTATIONS ON OCTOBER 7th		

## FRIDAY - OCTOBER 08, 2021

### 8.30 Microsoft Teams platform opening

CLASS 1			
EE & RR 1 (Energy Efficiency and Renewable Resources 1)		LINK EE & RR	
9.00	Chairs:	ID	
Pavel Atanăsoae, Radu-Dumitru Pentiuc, Mihai Tîrșu	The Influence of Renewable Energy Ratio and Conversion Factors on the Energy Performance of Buildings	8	
Ivan Rabei	Vertical axis wind turbines: open airfoils and plastic blades	11	
Dumitru Braga	Optimal capacity and feasibility of energy storage systems for power plants using variable renewable energy sources	24	
Mihai Tîrșu, Nicolae Covalenco, Ion Negura, Dmitrii Zaitev, Mihai Gavrila and Bogdan Constantin Neagu	Photovoltaic-thermal system for trigenerating electricity, hot water and cold	25	
Marin Gutu, Valeriu Odainai, Iulian Malcoci, Trifan Nicolae	Aerodynamic efficiency numerical estimation of 1 kW horizontal axis wind turbine rotor	28	

10.15 BREAK

EE & RR 2 (Energy Efficiency and Renewable Resources 2)		LINK EE & RR	
10.30	Chairs:	ID	
Cristina Efremov, Vasile Leu and Mihai Sanduleac	Increasing System Flexibility through a Combination of Pumped-Hydro and Battery-Storage Systems. An Overview of Possible Developments	61	
Madalina (Nechifor) Roman, Alexandru Salceanu	An Evaluation Study on Solar Energy from Photovoltaic Systems Located in Romania	64	
Robert Jahrstorfer, Alexandru Salceanu	Assessing Method for Potential Induced Degradation in Photovoltaic Systems	67	
Ciprian CRISTEA, Maria CRISTEA, Radu-Adrian TÎRNOVAN, Iulian BIROU, Carmen Elena STOFENOIU, Florica Miogara SERBAN	Performance analysis of grid-connected rooftop solar photovoltaic systems using different photovoltaic technologies: a case study in Romania	80	
Ciprian CRISTEA, Maria CRISTEA, Radu-Adrian TÎRNOVAN	Techno-economic assessment of grid-connected residential rooftop photovoltaic systems using various photovoltaic technologies: a case study in the Northwestern Romania	102	

11.45

CLASS 2			
PETD 1 (Power Generation, Transport and Distribution 1)		LINK PETD	
9.00	Chairs:	ID	
Sergiu Robu and Mihai Lupu	Allocation of economic parameters between heat and electricity for a CHP	18	
Kalinin Lev, Zaitsev Dmitrii, Tîrșu Mihai, Golub Irina, Kaloshin Daniela	Typical operating modes of a multichannel frequency converter	23	
Ecatерina Chelaru, Gheorghe Grigoraş, Livia Noroc, Bogdan-Constantin Neagu, and Florina Scarlatache	Influence of the Prosumers on the Replacement Strategies of the Aged Transformers from the Electric Distribution Networks	26	
Claudiu Buca and Marcel Istrate	Arc protection function modelling using Petri nets	27	
Ecatерina Murdidi and Ion Stratan	Optimal PMU Placement and Algorithms' Development of Accelerated Calculations of State Estimation Performance in Power Systems	31	

10.15 BREAK

PETD 2 (Power Generation, Transport and Distribution 2)		LINK PETD	
10.30	Chairs:	ID	
Mihai-Andrei Luca, Bogdan-Constantin Neagu, Ovidiu Ivanov, Mihai Gavrila, Gheorghe Grigoras	A Deeper Analysis about the Impact of Prosumers on Power Losses in Low Voltage Microgrids	45	
Bogdan Constantin Neagu, Constantin Zetu, Gheorghe Grigoras, Ovidiu Ivanov	Theories about Mechanical Calculus in the Context of Coexistence between Overhead Power Lines and Buildings from Outskirts of Cities	46	
Dragos Machidon and Marcel Istrate	Analysis of Romania's Transmission Power Lines Behavior under Direct Lightning Strikes	47	
Bosneaga Valeriu, Suslov V.	Investigation of Supply Phase Failure in Phase-Shifting Transformer with Hexagon Scheme and Regulating Autotransformer	53	

11.30

CLASS 3			
PED (Power Electronics and Drives)		LINK PED	
9.00	Chairs:	ID	
Olimpiu Stoicuță	A New Gain Matrix of the Luenberger Observer for the Vector Control Systems with Induction Motors	7	
Valentin Oleschuk	Schemes, and Algorithms of Synchronous Space-Vector PWM for Voltage Source Inverters of Open-End Winding Motor Drives: An Overview	16	
Elio Sanchez G. and Sara J. Rios	Digital Control and MBPC design for DC Voltage Regulation in a Grid-Connected PV Microgrid	57	
Nikolai Poliakov, Galina Demidova, Pavel Zolov, Konstantin Vorobev, Dmitry Lukichev and Ryszard Strzelecki	Distributed Energy Laboratory Concept Focused on Power Electronics Units	97	
Saleh Hussain, Khurram Qureshi, Jason Gu, Muhammad Usman Asad, Naureen Butt and Umar Farooq	A New Topology with 31-Levels for Cascaded Multilevel Inverters	99	
M. PadmaLalitha, S. Suresh, A. Viswa Pavani	Advanced control architecture for Interlinking Converter in Autonomous AC, DC and Hybrid AC/DC Micro grids	74	
Ilie Nuca, Cazac Vadim, Burduinic Marcel, Artiom Moldovan, Costică Nitucă, Gabriel Ichiș, Gheorghe Gabor	A Hybrid Charging System Design for Electric Vehicles with Autonomous Power Surce	119	

10.45

IA 1 (Industry Applications 1)			LINK IA	
10.30	Chairs: Cristian-Győző Haba, Dan Milici		ID	
Daniel Cretu, Ciprian-Catalin Rusu, Radu Burlica, Dana Beniuga, Dragos Astanei and Dorin Tesol	DBD Non-Thermal Plasma Used on Surface Treatment of Polymeric Film for Food Packaging		111	
George Balan, Elena Serea and Dorin D. Lucache	Critical Issues in the Design and Operation of Electrical Installations in Hospitals		124	
Cristian-Győző Haba	Extending Sensor Type Connections to a PLC		66	
Artiom Moldovan, Dan Milici and Ilie Nuca	Anaerobic - aerobic WWTP for a non-alcoholic liquid products factory		86	
Catalin-Ioan Draghita, Aurel Botezan, Silviu Stefanescu	Automated Sorting and Handling Process		103	
<b>11.45</b>	BREAK			
<b>PLENARY SESSIONS</b>		Microsoft Teams LINK - GENERAL		
<b>Chairs:</b> Victor Gropă, Dorin Lucache				
<b>12.00</b>	Lucian TOMA	„Challenges and solutions towards green and resilient power systems„		
<b>12.30</b>	Alain BOUSCAYROL, Mircea RUBA	„Energetic Macroscopic Representation For Control Of Energy Conversion Systems„		
<b>13.00</b>	BREAK			
<b>CLASS 1</b>				
<b>EE &amp; RR 3 (Energy Efficiency and Renewable Resources 3)</b>			LINK EE & RR	
13.15	<b>Chairs:</b> Petre-Marian Nicolae, Cezar Popa, Dragoș Machidon		ID	
Abdelfatah Ali, Karar Mahmoud, Mostafa Shaaban and Matti Lehtonen	Optimal Sizing and Placement of Multiple Photovoltaics Considering Electric Vehicles Charging Stations		91	
Ihsan Mizher Baht, Petre-Marian Nicolae, Ileana-Diana Nicolae	Enhancing the Power Grid Performance by Integrating Wind Turbines Systems		101	
Armaghan Cheema, Mostafa Shaaban, Mahmoud Ibrahim and Maher Azzouz	A New Approach for Long-term Optimal Scheduling of Photovoltaic Panels Cleaning		83	
Popa Cezar and Ungureanu Constantin	Analysis of a Hybrid Water Heating System for a Swimming Pool		127	
Muhammad Wajeeh Uddin Khan, Khurram Karim Qureshi, Jason Gu, Ghulam Abbas, Muhammad Usman Asad, Naureen Butt and Umar Farooq	A New Topology For Cascaded Multi-Level Inverter With Symmetrical Extension of H-Bridge		90	
<b>14.30</b>	BREAK			
<b>R&amp;D (Reliability and Diagnosis)</b>			LINK R & D	
14.45	<b>Chairs:</b> Sorin Enache, Ciprian Nemes		ID	
George Cercel, Cosmin Tiganasu, Ciprian Nemes	Power Quality Requirements for Grid-Connected Photovoltaic Systems		5	
Tiganasu Cosmin, Cercel George, Nemes Ciprian	The influence of battery state of charge on self consumption indices		6	
Mihai Ghidu and Cezar Scinteie	Effect of wear process on the security of Nuclear Power Plants		48	
Ancuta-Mihaela ACIU, Maria Cristina NITU, Marcel NICOLA, Claudiu-Ionel NICOLA	Determination of the Condition of Solid Insulation in High-Power Transformers Based on 2-Furfuraldehyde and Methanol Markers Using Neural Networks		49	
Maria-Cristina NITU, Ancuta-Mihaela ACIU, Marcel NICOLA, Claudiu-Ionel NICOLA	Identification of the Phenomena Leading to the Aging of the Insulation of In-Service High Power Transformers		50	
Daniel Constantin OCOLEANU, Cristian-Eugeniu SALCEANU, Mihai IONESCU, Marcel NICOLA, Maria Cristina NITU, Sorin ENACHE, Camelia MARINESCU	Reactive Energy Transfer Reduction Equipment for Low-Load Wound-Rotor Induction Motors		51	
<b>16.15</b>				
<b>CLASS 2</b>				
<b>PETD 3 (Power Generation, Transport and Distribution 3)</b>			LINK PETD	
13.15	<b>Chairs:</b> Lucian Toma, Victor Gropă		ID	
Salman Hassan, Shahriar Khan	Review of Advances in Smart Grid , Blackout Mitigation, and Applications in Bangladesh		55	
Mihai Sanduleac, Mircea Eremia, Lucian Toma, Ioan Damian, Mihai Gavrila, Gheorghe Grigoras, Ion Stratan and Victor Gropă	Islanded Microgrids control by using Grid Former and Synthetic Slack Bus concept - A preliminary analysis		59	
Daniela Irimia, Elena Crenguța Bobric, Radu Stefan Minescu	Firefly algorithm for establishing the optimal power of DG units		95	
Bogdan Leu, Bogdan-Adrian Enache, Florin-Ciprian Argatu, Marilena Stanculescu	A Survey of Condition Monitoring Systems Operation in Romanian Transmission Substations		116	
Rotari Iulian and Rotaru Adrian	The analysis of the sensitivity of the active power losses in relation to the bus powers		43	
<b>14.30</b>				
<b>M&amp;E (Management and entrepreneurship)</b>			LINK M&E	
15.00	<b>Chairs:</b> Carmen-Elena Stoenoiu, Marius Pîslaru		ID	
Tatiana Gutium	Gas Pricing Mechanisms: Overview, Comparative Analysis and Recommendations		10	
Carmen-Elena Stoenoiu	Retrospective analysis of the evolution of industrial production in relation to energy consumption		63	
Carmen-Elena Stoenoiu	The evolution of efficiency indicators in the economies of EU countries		71	
Simona Gîfei (Aionoaie), Alexandru Salceanu	Autonomous and Electrical Vehicles Development Using Optimized Processes Defined by Cyber Security and Safety Management System		65	
<b>16.00</b>				

CLASS 3				
IA 2( Industry Applications 2)		LINK IA		
13.15	Chairs:	Sorin G. Pavel, Dorin Lucache		ID
Virgil Maier, Sorin G. Pavel and Horia G. Beleiu		Harmonics of the Central Component of the PWM Inverter Output Voltage		128
Tislinscaia Natalia, Vișanu Vitali, Balan Mihail, Melenciu Mihail, Gîdei Igor and Popescu Victor		Installation for drying agri-food products by forced convection with volatile substances capture		120
Georgel Gabor and Gheorghe Livint		Application of S7-1200 PLC for Temperature Monitoring of a Railway Separator		112
Georgel Gabor and Gheorghe Livint		Solution for Monitoring and Remote Control Based on Modbus RTU and S7-1200 PLC		113

14.15	BREAK		
14.30	WORKSHOP	„Applications based on Brain-Computer Interfaces,,	LINK Workshop
	Chairs:	Marian POBORONIUC, Dănuț IRIMIA, Alina-Georgiana BACIU	

16.15	CLOSING CONCLUSIONS AND SPEECHES	Microsoft Teams LINK - GENERAL
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