



CHISHINAU

EM-2016

PROGRAMME

OF THE 3RD INTERNATIONAL CONFERENCE “ENERGY OF MOLDOVA –
2016: REGIONAL ASPECTS OF DEVELOPMENT”



Organized by
ACADEMY OF SCIENCES OF MOLDOVA
INSTITUTE OF POWER ENGINEERING OF ASM

CONFERENCE AGENDA

Thursday, September 29

8:00-9:30	Participants registration
9:30-10:30	Opening Ceremony of EM-2016
10:30-11:00	<i>Coffee break</i>
11:00-12:30	Plenary Session
12:30-13:40	<i>Lunch</i>
13:40-15:40	Section A. Efficiency and Energy Security (Part 1)
15:40-16:00	<i>Coffee break</i>
16:00-17:40	Section A. Efficiency and Energy Security (Part 2)
19:00	Festive dinner - CRIZANTEMA
Friday, September 30	
8:00-9:00	Posters Session
9:00-10:30	Section B. Sustainable development of energy sector (Part 1)
10:30-10:50	<i>Coffee break</i>
10:50-12:40	Section B. Sustainable development of energy sector (Part 2)
12:40-14:00	<i>Lunch</i>
14:00-15:30	Section C. Renewable energy sources and environment protection (Part 1)
15:30-15:50	<i>Coffee break</i>
15:50-17:40	Section C. Renewable energy sources and environment protection (Part 2)
19:00	Trip to the famous Milestii Mici wine cellars (optional)
Saturday, October 01	
10:00-19:00	Free agenda to celebrate wine festival day which is celebrated annually in Moldova on 01 and 02 October.

PROGRAM OF CONFERENCE

Thursday - 29.09.2016		
8.00-9.30	Participants registration	
9.30-10.30	Opening ceremony of EM-2016 TIGHINEANU Ion , academician, Deputy Prime President of Academy of Moldova	
9.30-9.40	TIGHINEANU Ion , academician, Deputy Prime President of Academy of Sciences of Moldova	
9.40-9.50	TRIBOI Valeriu , Deputy Prime Minister, Minister of Economy of Republic Moldova	
9.50-10.00	STRATAN Mihail , General Director of EEA, Moldova	
10.00-10.10	Jose Luis Gomez Pascual , country manager I.C.S. "RED UNION FENOSA", Moldova	
10.10-10.20	BALAN Gheorghe –dr.ing., General Executive director of CNR-CME	
10.20-10.30	BOSTAN Viorel , rector of Technical University of Moldova	
10.30-11.00	<i>Coffee break</i>	
11.00-12.30	Plenary Session Chair – TRIBOI Valeriu , Deputy Minister of Economy Member - STRATAN Mihail , Director EEA Member - BERZAN Vladimir , IPE ASM Member - BALAN Gheorghe , CNR-CME Member - SANDULESCU Alexandru , High counselor of EU for energy polices	
11.00-11.20	Anca POPESCU, Daniela BURNETE, Marian DOBRIN, Posibilitățile de creștere a siguranței în alimentarea cu energie în republica Moldova , ISPE, Romania	P
11.20-11.35	Daniela BOLBORICI, Oana ZACHIA, Gheorghe LĂZĂROIU, Synchronous interconnection of Ukrainian and Moldovan power systems to the continental European ENTSO-E power system , UPB	P
11.35-11.55	Vitaly POSTOLATY, Vladimir BERZAN, Operation mode of power system of Republic of Moldova, interconnected with Romanian system . IPE of ASM	P
11.55-12.15	Denis TUMURUC, "Aspects on energy efficiency and development of renewable energy sources in Moldova" / Deputy director of Energy Efficiency Agency	P
12.15-12.30	Renewable Energy in Italy and mode of its promotion / COMPANIA FLY REN	P
12.30-13.40	<i>Lunch</i>	
13.40-15.40	Section A. Energy Efficiency and Security Chair - TIMCIUC Iacob , SEI Member - BĂDILEANU Marina , CEIS, Romania Member - STRATAN Alexandru , INCE ASM Member - BICOVA Elena , IPE ASM Member - NEGURĂ Călin , ME	
13.40-13.50	Marina BĂDILEANU ¹ , Svetlana CIUMAC ² , Sustainable Development of heat supply system . ¹ CEIS, INCE "Costin C. Kirițescu", Romanian Academy, ² ICJP of ASM	A
13.50-14.10	Elena Bykova, Vladimir Berzan, Methodological approaches to short-term energy balance , IPE ASM	A
	Elena BYKOVA, Mihail GRODETSKIY, Development programme mid-term prediction in the composition of soft for analysis and monitoring of energy security , IPE ASM	A
	Elena BYKOVA, Conceptual terms and monitoring system energy security . IPE of ASM	A
14.10-14.20	Vitaly POSTOLATY ¹ , Elena BYKOVA ¹ , Viktor SUSLOV ¹ , Yuri SHAKARYAN ² , Larisa TIMASHOVA ² , Svetlana KAREVA ² , The parameters of the controlled selfcompensating compact transmission power lines . ¹ IPE ASM, ² SEC Electric Power JSC FGC UES of Russia	A
14.20-14.30	Ion COMENDANT, The opportunities to promote cogeneration power plant in the Republic of Moldova . IPE ASM	A
14.30-14.40	Alexandru SĂNDULESCU ¹ , Alexandrina ROBU ² , Financing investments for interconexions of electrical energy and gases between Romania and Republic of Moldova . ¹ High counselor of EU for energy polices, ² Patronal Association in Energy Domain	A
14.50-15.00	Alexandru STRATAN, Corina GRIBINCEA, Managerial tools to ensure energy efficiency in the food industry . The National Institute for Economic Research of the Academy of Sciences of Moldova	A
15.00-15.10	Calin NEGURA ¹ , Mihail STRATAN ² , Valentin ARION ³ , Increase of energy efficiency – an important condition for sustainable development of country . ¹ Ministry of Economy of the Republic of Moldova, ² AEE, ³ TUM	A
15.10-15.20	Mihail POISIK, Macroeconomical indicators of the country and the trends of the energy sector . National Institute of Economic Research of ASM	A
15.20-15.30	Vitaly Postolaty, Mihail Grodetsky, Elena Bykova, Approach to modeling the coordinated management of economic sectors . IPE ASM	A

15.30-15.40	Sergiu CODREANU, Activity indicators of ICS RED Union Fenosa S.A. in progress , Î.C.S. "RED UNION FENOSA", Moldova	
15.40-16.00	<i>Coffee break</i>	
16.00-17.40	Section A. Energy Efficiency and Security Chair - INDRE Gheorghe , CNR-CME Member - TONU Valentin , Moldovagaz S.A. Member - IGNAT Ioan , ROMGAZ Medias Member - HLIEVA Olga , ANIA, Odessa Member - PENTIUC Radu , Suceava	
16.00-16.10	Valentin TONU, Regarding the harmonization of national standards from the oil and gas sector with the European and international ones . SA „Moldovagaz”	A
16.10-16.20	Gheorghe INDRE, Virgil MUSHATESCU, Considerations on TRANSELECTRICA’S experience in extreme weather risks management . Romanian National Committee of World Energy Council	A
16.20-16.30	Gheorghe INDRE, Aspects on the strategy of smart grid in NCTEE TRANSELECTRICA SA . NRC – WEC	A
16.30-16.40	Radu Dumitru PENTIUC, Ovidiu-Chipryan UNGUREAN, Adryan GRAUR, Cezar-Dumitru POPA Power system for short-term prognosis for eligible consumers of electricity . Faculty of Electrical Engineering and Computer Science, University “Ștefan cel Mare”, Suceava, România	A
16.40-16.50	Vasile RUGINĂ, Energy efficiency indicators considerations . INCDE ICEMENERG Bucharest	A
16.50-17.00		A
17.00-17.10	Ioan IGNAT. Înmagazinarea gazelor naturale . ROMGAZ Medias	A
17.10-17.20	Vladimir BERZAN, Vitalie POSTOLATI, Elena BICOVA, Some aspects of energy supply problem of Moldova , IPE ASM	A
17.20-17.40	Conclusions	
19.00	FESTIVE DINNER. PLACE - CRIZANTEMA	

Friday – 30.09.2016

8.00-9.00	Posters Session	
9.00-10.30	Section B. Sustainable development of Energy sector Chair - POSTOLATII Vitalie, IPE ASM Member - VASILEVICI Serghei, IPE NAS Belarusi Member - CERNEI Mihail, SUM Member - HĂBĂȘESCU Ion, MECAGRO Member - ERHAN Tudor, SAUM	
9.00-9.10	N. Cheremisin ¹ , A. Miroshnyk ¹ , V. Cherkashyna ² , Monitoring the operation factors of overhead transmission lines and environment for controlling the work of electrical networks distribution. ¹ Kharkov National Technical University of Agriculture by Petrij Vasylenko (KNTUA), Kharkov, Ukraine ² National Technical University "Kharkov Polytechnic Institute" (NTU "KPI"), Kharkov, Ukraine Elena BYKOVA, Maria CINIC, Larisa MORARU, Monitoring of some economic security indicators. IPE ASM	B
9.10-9.20	Sergey VASILEVICH ¹ , Mihail MALKO ¹ , Vladimir BOGACH ¹ , Dmitriy DEGTEROV ¹ , Andrey Asadchy ¹ , Sofia GUSAKOVA ² , Research dedicated to the procedure of obtaining of wooden coal using the pyrolysis under pressure. ¹ Institute of Power Engineering of the National Academy of Sciences of Belarus, Minsk, Belarus, ² State University of Belarus, Minsk, Republic of Belarus	B
9.20-9.30	Ion HĂBĂȘĂECU, Iuri MOLOTCOV, Reglarea temperaturii gazelor de cuptor la uscarea materiei prime vegetale mărunțite. Institutul de tehnică agricolă „Mecagro”	B
9.30-9.40	Corina CHELMENCIUC, Valentin ARION, Economic assessment of integrated cogeneration technologies in industrial instalations. Technical University of Moldova	B
9.40-9.50	Mihail CHERNEI ¹ , Vasile LEU ² , Actuality municipal heat zoning. ¹ State University of Moldova, ² National Agency for Energy Regulation, Republic of Moldova	B
9.50-10.00	Vladimir BERZAN, Vitaly POSTOLATY, Vladimir BABICH, Comparative analysis of the operation of CHPs with different capacity of heat and electricity generating. IPE ASM	B
10.00-10.10	Sergey MOROZ, Olga HLIYEVA, Vitaliy ZHELEZNY, Nikolay LUKIANOV, Experimental investigation of the influence of fullerenes additives to the working fluid isobutene /compressor oil on refrigeration system performance. The Department of Thermal Physics and Applied Ecology, Institute of Refrigeration, Cryogenic Technologies and Eco Energetic, Odessa National Academy of Food Technologies Valentin OLESCHUK, Vladimir ERMURATSKII, Hybrid synchronized control of PWM converters of six-phase system with two DC sources. IPE ASM	B
10.10-10.20	Fiodor ERHAN, Dinu VOINESCO, Factorii de influență asupra fiabilității utilajului electroenergetic din rețelele de distribuție. Universitatea Agrară de Stat din Moldova	B
10.20-10.30	Fiodor ERHAN, Algorithm for optimization of a reliability of distribution systems considering the random factors. State Agrarian University of Moldova	B
10.30-10.50	<i>Coffee break</i>	
10.50-12.40	Section B. Sustainable development of Energy sector Chair - ADĂSCĂLIȚEI Adrian A., UT “Gh. Asachi”, Iași Member - LEU Vasile, ANRE Member - GOLOVANOV Nicolae, UPB, România Member - ADAM Adrian A., INCDE ICEMENERG Member - TEREȘCO Oleg, Moscova, FR Member – CEAKI Oana, UPB	
10.50-11.00	Sergiu CIOBANU, Vasile LEU, The situation of heat supply service in centralized system of republic Moldova. National Agency for Energy Regulation, Republic of Moldova	B
11.00-11.10	Adrian ADĂSCĂLIȚEI ¹ , Alexander EMANUEL ² , Petru TODOS ³ , Nicolae GOLOVANOV ⁴ Contemporary topics on electric power components definitions. ¹ Department of Electrotechnics, Technical University “Gh. Asachi”, Iași, România, ² Electrical and Computer Engineering Dept., Worcester Polytechnic Institute, MA, USA, ³ Technical University of Moldova, Chisinau, Republic of Moldova, ⁴ POLITEHNICA University, Bucharest, România	B
11.10-11.20	Cornelia NEAGU, Cristian SIMA, The role of coal in the future Romanian energy mix. Center of Industry and Services Economy of the National Institute of Economic Research "Costin C. Kiritescu", Romanian Academy	B
11.20-11.30	Oana CEAKI ¹ , Vasile LEU ² , Propagation of harmonic disturbances in power grid. ¹ Power	B

	Engineering Faculty, University Politehnica of Bucharest, ² ANRE, Republic of Moldova	
11.30-11.40	Virgil MUSHATESCU ¹ , Cristian PODASHCA ² , Ioana OPRISH ³ , State support for Promotion of electrical energy produced in high efficiency cogeneration in Romania. ¹ National Romania Committee of the World Energy Council, ² National Authority for Regulation in Energy, ³ Politechnical University of Bucharest	B
11.40-11.50	Adrian Andrei ADAM, Vasile RUGINĂ, Actual problems for scientific research in the energy field in Romania. INCDE ICEMENERG Bucharest	B
11.50-12.00	Vitaliy Savchenko, Alexander Sinyavsky, Evgeniy Antipov , Energy efficient electrotechnology of growing plants in the greenhouse with photoelectric converter. National University of Life and Environmental Sciences of Ukraine	B
12.00-12.10	Oleg TERESHCO, Market methods to control the reliability of electric energy supply the end consumers. PE "Corporate Center for education and scientific EES", Moscow city, RF	B
12.10-12.20	C. TOADER ¹ , N. GOLOVANOV ¹ , R. PORUMB ¹ , I. TRISHTIU ¹ , C. BULAC ¹ , AI. MANDISH ¹ , M. TIRSHU ² , Assessing losses of power and electrical energy in unbalanced medium voltage distribution networks. ¹ University Polytechnics of Bucharest, ² Institute of Power Engineering of Academy of Sciences of Moldova	B
12.20-12.30	Roman BANTASH, Methodology of determination of energy intensity in the processing and agricultural production. State Agricultural University of Moldova	B
12.30-12.40		B
12.40-14.00	<i>Lunch</i>	
14.00-15.30	Section C. Renewable Energy Sources and Environment Chair - CÂRLEA Filip , Academia Română Member - DUMBRAVA Virgil , UPB, România Member - SAVCENCO Vitalii , UNBŞM, Ukraina Member - HLIEVA Olga , ANIA, Ukraina Member - BENIUGA Oana , UT „Gheorghe Asachi”, Iaşi	
14.00-14.10	Filip CARLEA ¹ , Violeta Mihaela DINCA ² , Emerging technologies for useful renewables energy sources. ¹ National Institute of Economic Research "Costin C. Kirişescu" Centre for Promotion of Renewable Energies and Energy Efficiency, ² UNESCO Department for Business Administration, in foreign languages University of Economics	C
14.10-14.20	Oana BENIUGA, Razvan BENIUGA, Wind farms' grid connection and protection requirements for sustainable development. Technical University "Gheorghe Asachi" of Iasi, Electrical Engineering Faculty, Power Systems Department	C
14.20-14.30	Virgil DUMBRAVA, George Cristian LAZAROIU, Gabriel BAZACLIU, Mihaela TELICEANU, Stochastic optimization of power system operation in presence of renewable energy sources, University POLITEHNICA of Bucharest	C
14.30-14.40	Aurel GUTSU, Corina GUTSU-CHETRUSHCA, Energy complex adaptation to climate change in Republic of Moldova. Technical University of Moldova	C
14.40-14.50	Vitalii SAVCENCO, Alexandru SINEAVSCHII, Evghenii ANTIPOV, Electrotehnologie eficientă energetică pentru creşterea plantelor în sere cu utilizarea convertoarelor fotoelectrice. Universitatea naţională a biosurselor şi ştiinţelor mediului din Ucraina	C
14.50-15.00	Sergey VASILEVICH, Mikhail MALKO, Nicolay SHEVCHIK, Use of biomass in the Republic of Belarus. Status and prospects of development. Institute of Power Engineering of the National Academy of Sciences of Belarus, Minsk, Republic of Belarus	C
15.00-15.10	Olga KHLIYEVA, Sergey RYABIKIN, Vitaliy ZHELEZNY, Tatyana GORDEYCHUK, Experimental investigation of the convective heat transfer coefficient of coolants with Al₂O₃ nanoparticle additives. The Department of Thermal Physics and Applied Ecology, Institute of Refrigeration, Cryogenic Technologies and Eco Energetic, Odessa National Academy of Food Technologies	C
15.10-15.20	Tatiana SAU, Tatiana CERNEI , Patenting in energy sector in the Republic of Moldova. State Agency on Intellectual Property	C
15.20-15.30	Mihai CHIORSAC¹, Lilia TURCUMAN², Natalia TURTURICA² , Calculation of electrical quantities for relay protection of multiphase power lines. ¹ Technical University of Moldova, ² Institute of Power Engineering of the Academy of Sciences of Moldova	C
15.30-15.50	<i>Coffee break</i>	
15.50-17.40	Section C. Renewable Energy Sources and Environment Chair - CEREMPEI Valerian , MECAGRO Member - POSTOLATI Vitalie , IPE ASM Member - BÎCOVA Elena , IPE ASM Member - COTRUȚĂ Victor , "Energie şi biomasă" Member - LEAH Tatiana , AGEPI	
15.50-16.00	Ion HEBESHESKU, Yuri MOLOTKOV, Drying crushed plant raw in the aerodynamical dryer.	C

	Institute of Agricultural Technics "Mecagro"	
16.00-16.10	Olga CAPITAN, Gaseous fuels potential assessment for Moldova. Technical University of Moldova	C
16.10-16.20	Tamara LEAH, Biomass - renewable and ecological energy source for agriculture of Moldova. "Nicolae Dimo" Institute of Soil Science, Agrochemistry and Soil Protection	C
16.20-16.30	Valerian CEREMPEI, Viktor RAICOV, Igor PASAT, Research and testing exploitation of chopper twig TC – 1,7. Institute of Agricultural Technics "Mecagro"	C
16.30-16.40	Victor RAICOV, Research of diametric fans for aspiration systems of combines of harvesting crops with sever straight. Institute of Agricultural Technique «Mecagro»	C
16.40-16.50	Denis RUSCHII, Determination of the thermotechnology parameters of heat exchangers changed within supply system modified diesel, engines on biofuel. Institute of Agricultural Technique «Mecagro»	C
16.50-17.00	Oleg CHEALBASH, Eugene KUZNETSOV, Solar photovoltaic and thermocollectory stations on mobile platforms (tracking system), placed on a limited area. Institute of Mathematics and Computer Science, Academy of Sciences of Moldova	C
17.00-17.10	Elena BYKOVA ¹ , Tatiana KIRILLOVA ¹ , Marius TARANU ² , Greenhouse gas emissions trends of small combustion in Moldova. ¹ Institute of Energy of the Academy of Sciences of Moldova, ² Climate Change Office	C
17.10-17.20	Vitaly POSTOLATY, Vladimir BABICHL, The use of physical methods for assessing and calculating the total efficiency of fuel use, evaluation of cost allocation and determine the cost of the production of heat and electricity by cogeneration. IPE ASM	C
17.20-17.40	Closing session of EM-2016	
19.00	Trip to the famous Milestii Mici wine cellars (optional)	

Saturday – 01.10.2016

9.00-19	Free agenda to celebrate wine festival day which is celebrated annually in Moldova on 01 and 02 October
---------	--