

Regional South East European Conference 2016 RSEEC 2016 (third edition)

Innovation for efficient and effective management, solutions for power systems of the future!



University POLITEHNICA of Bucharest | Bucharest | Romania | October 10-12, 2016

CIGRE Regional South-East European Conference RSEEC 2016 (3rd edition)

October 10th - 12th 2016

University "Politehnica" of Bucharest, Central Library, Romania

FINAL PROGRAM

Monday, October 10, 2016			
14:00 - 16:00	Registration - Central Library, 2nd Floor, University "Politehnica" of Bucharest		
16:00 - 18:00	Opening Plenary - Amphitheater "Radu Voinea" AN010 - Rectorate Building, University "Politehnica" of Bucharest Special Guests: CNTEE Transelectrica management, UPB rectorship		
	Tutorial 1 - The big shift in power. Power systems of the future (ABB)		
	Tutorial 2 - Microgrids, Global View by Siemens (Siemens)		
18:00-20:00	Opening Exhibition, Central Library Foyer, 2nd Floor, University "Politehnica" of Bucharest	Exhibition 18:00 - 20:00 2 nd Floor Central Library, Foyer	
18:00 - 20:00	Welcome Cocktail, Central Library, 2nd Floor, University "Politehnica" of Bucharest		
Tuesday, October 11, 2016			
9:00 - 11:00	Session 1 - Central Library, 2nd Floor Conference Room, University "Politehnica" of Bucharest		Exhibition 09:00 - 18:00 2 nd Floor Central Library, Foyer
	Development of electricity infrastructure in Europe e-Highway2050 project results C. DIACONU, S. SOARE, V. ZAHARIA, M. MARCOLT, Romania.		
	<i>Discussions</i>		
	T&D Utilities: Implementing a Systemic Asset Investment Planning Strategy S. PROKOPIOU, France		
	<i>Discussions</i>		
	Virtual World Asset Management for Transmission System Operators - What can precise position tell you about your assets? R. HODDENBACH, P. MENTING, M. COLEMAN, J.BANGAY, J.BARONIAN, The Netherlands		
	<i>Discussions</i>		
Integrated monitoring and control real-time system for the estimation of the operational status of the power electrical networks assembly C. MOLDOVEANU, A. VASILE, M. AVRAMESCU, A. TAVA, I. IONITA, G. IOSIF, Romania			
<i>Discussions</i>			

	<p>Benefits of modern AIS substation design using DCB and NCIT M. MAGNUSSON¹, T. ROININEN¹, A. FRANK², ¹ Sweden, ² Switzerland</p> <p><i>Discussions</i></p> <p>Switching requirements for disconnectors and earthing switches I. HATEGAN, E. STOICESCU, Romania</p> <p><i>Discussions</i></p>	
11:00 - 11:20	Coffee Break	
11:20 - 13:00	<p>Session 2 - Central Library, 2nd Floor Conference Room, University "Politehnica" of Bucharest</p> <p>Coordinating Generating Units and Power System Protections F. BALASIU, G. MORARU, Romania</p> <p><i>Discussions</i></p> <p>Wide-Area Protection based on PMU Measurement C. HEYDE, E. LERCH, U. KERIN, R. KREBS, C. NGUYEN MAU, Germany</p> <p><i>Discussions</i></p> <p>DSA of Power Grids in Real-Time C. HEYDE, U. KERIN, R. KREBS, E. LERCH, Germany</p> <p><i>Discussions</i></p> <p>Intelligent equipment for monitoring power transformers disturbances in the transmission and distribution power systems C. MOLDOVEANU, V. BREZOIANU, M. AVRAMESCU, A. VASILE, S. ZAHARESCU, A. TAVA, I. IONITA, G. IOSIF, Romania</p> <p><i>Discussions</i></p> <p>Protection Security Assessment of Power Grids Improves Grid Reliability T. BOPP, R. GANJAVI, R. KREBS, B. NTSIN, M. DAUER, J. JAEGER, Germany</p> <p><i>Discussions</i></p>	
13:00 - 14:00	Lunch and Break	
14:00 - 16:00	<p>Session 3 - Central Library, 2nd Floor Conference Room, University "Politehnica" of Bucharest</p> <p>Tutorial 3 - Integration of day-ahead capacity forecast to manage energy imports and transit (Liège University)</p> <p>Criteria for oil selection suitable for use as insulating liquid in high voltage instrument transformers B. PAHLAVANPOUR¹, J. NUNES C.², C. WOLMARANS³, ¹United Kingdom, ²Brazil, ³Sweden</p> <p><i>Discussions</i></p> <p>Continental European ENTSO-E power system extension by synchronous interconnection with Ukrainian and Moldovan power systems D. BOLBORICI, C. G. DIACONU, O. ZACHIA, Romania</p> <p><i>Discussions</i></p> <p>Using electrical parameters measurement results in protection settings G. MORARU, F. BALASIU, Romania</p> <p><i>Discussions</i></p> <p>Voltage control in substations with many generation units injection D. ILISIU, D. FIRICA, Romania</p> <p><i>Discussions</i></p> <p>Voltage regulation by grid-connected PV systems effects on distribution network operation M. IONESCU, G. PRESADA, Romania</p> <p><i>Discussions</i></p>	
16:00 - 16:20	Coffee Break	
16:20 - 18:00	<p>Session 4 - Central Library, 2nd Floor Conference Room, University "Politehnica" of Bucharest</p> <p>Tutorial 4 - ACPR Lo-SagTM conductors for reconductoring applications (Nexans)</p> <p>Considerations on Ranking Threats to Power System Security S. L. VORONCA, Romania</p> <p><i>Discussions</i></p> <p>Cornerstone in European Connection Codes implementation in Romanian technical legislation D. ILISIU, Romania</p> <p><i>Discussions</i></p>	

	<p><i>Considerations on indicators for assessing the level of competition in the balancing and ancillary services markets</i> P. ATANASOAE, R. PENTIUC, C. BOBRIC, E. HOPULELE, Romania</p> <p><i>Discussions</i></p> <p><i>Implementation of special mathematics in energy transmission– Romanian Power Grid Company Transelectrica</i> V. ZAHARESCU, A. ROMANESCU, Romania</p> <p><i>Discussions</i></p> <p><i>Modeling of hybrid off-grid energy system for electrical energy production from renewable sources</i> C. UNGUREANU, C. D. POPA, S. BIDU, Romania</p> <p><i>Discussions</i></p>	
19:00 – 22:00	<i>Conference Networking Dinner – Casa Doina La Sosea (Strada Kiseleff nr. 4, Sector 1)</i>	
Wednesday, October 12, 2016		
9:00 – 11:00	<p>Session 5 - Central Library, 2nd Floor Conference Room, University "Politehnica" of Bucharest</p> <p><i>The process of identifying new projects under ENTSO-E rules; Study case – new tie-line HU-RO</i> A. TOLEA, C. BULAC, Romania</p> <p><i>Discussions</i></p> <p><i>3D CAD/CAE Modeling software for the computation of Electromagnetic Field Distribution in HV Substations and Investigation of Human Exposure</i> C. MUNTEANU, M. PURCAR, Romania</p> <p><i>Discussions</i></p> <p><i>The road to interoperability - using the Common Information Model and the Common Grid Model Exchange Standard</i> A. TALPOS, C. BULAC, Romania</p> <p><i>Discussions</i></p> <p><i>Electric Energy Storage Systems and regulatory framework</i> C. DIACONU, M. MARCOLT, Romania</p> <p><i>Discussions</i></p> <p><i>Big Storage Systems,</i> A. AMET, T. CHIULAN, Romania</p> <p><i>Discussions</i></p> <p><i>The risk assessment for the refurbished TSO's substations</i> V. ZAHARESCU, C. STANESCU, R. MATIU, D. MORAR, Romania</p> <p><i>Discussions</i></p>	<p>Exhibition 09:00 - 18:00 2nd Floor Central Library, Foyer</p>
11:00 - 11:20	<i>Coffee Break</i>	
11:20 - 13:00	<p>Session 6 - Central Library, 2nd Floor Conference Room, University "Politehnica" of Bucharest</p> <p>Tutorial 5 - Future Flow: Balancing energy exchange concept tailored to congested borders (EKC - Serbia)</p> <p><i>Direct measurement of rotors temperatures of power electric machines</i> C. BULAI, P. CURIAC, Romania</p> <p><i>Discussions</i></p> <p><i>Energizing of Large PM Rotors of Wind Turbine-Generators</i> P. CURIAC, Romania</p> <p><i>Discussions</i></p> <p><i>Numerical evaluation of the effects of phase impedance asymmetry at an untransposed overhead transmission line</i> A. PANA, A. BALOI, F. MOLNAR-MATEI, N. CHIOSA, Romania</p> <p><i>Discussions</i></p> <p><i>AC Interference Modeling, a Tool for Personnel Safety Investigation</i> M. PURCAR, C. MUNTEANU, Romania</p> <p><i>Discussions</i></p> <p><i>Holonic control-based solution for service restoration and switch allocation in power distribution networks</i> V. VLAD, C. D. POPA, R. D. PENTIUC, Romania</p> <p><i>Discussions</i></p>	
13:00 - 14:00	<i>Lunch and Break</i>	
14:00 - 16:00	Session 7 - Central Library, 2nd Floor Conference Room, University "Politehnica" of Bucharest	

	<p><i>Live Operating and Efficiency of Equipment's Management</i> I. RODEAN, D. MORAR, V. BALAN, C. BOGUS, V. ORLANDEA, M. SIMBOTIN, S. SOVERESAN, Romania</p> <p><i>Discussions</i></p> <p><i>Live working technologies and the limitation of the impact of maintenance on people and environment</i> M. OLTEAN, O. JURASCU, G. COTRIGASAN, M. STANCU, Romania</p> <p><i>Discussions</i></p> <p><i>Intelligent System for Monitoring Energy Installations using self-piloted Drones</i> O. GHITA, C. BANICA, L. IACOBICI, I. D. HATEGAN, Romania</p> <p><i>Discussions</i></p> <p><i>Advanced Techniques for inspecting Power Energy Equipment using Augmented Reality</i> O. GHITA, C. BANICA, L. IACOBICI, I. D. HATEGAN, Romania</p> <p><i>Discussions</i></p> <p><i>Modeling of Differential Protection to AT 400 MVA for fault using the finite element method</i> V. VILCU, Romania</p> <p><i>Discussions</i></p> <p><i>Improving Back-up Protection Systems in Power Grid Using Wide Area Synchrophasor Measurements</i> A. MIRON, M. DRAGOMIR, R. PENTIUC, C. POPA, C. E. BOBRIC, Romania</p> <p><i>Discussions</i></p>	
16:00 - 16:20	<i>Coffee Break</i>	
16:20 - 18:00	<p>Session 8 - Central Library, 2nd Floor Conference Room, University "Politehnica" of Bucharest</p> <p><i>Improving the fault location for transmission lines using the actual measurements</i> M. DRAGOMIR, G. MORARU, A. MIRON, Romania</p> <p><i>Discussions</i></p> <p><i>The use of computing technologies for the effective management of resources of a modern city- Smart City</i> B. TATU, Romania</p> <p><i>Discussions</i></p> <p><i>The new revision of internal technical standard for power line and bus coupler protection in correlation with SCADA internal standard</i> A. ROMANESCU, Romania</p> <p><i>Discussions</i></p> <p><i>Smart Grid and Cyber Security. Good Practices Guide for Implementing Cyber Security in TSO's SCADA Applications</i> M. COTEANU, I. PAVALOAI, R. HUCH, L. SPATARU, Romania</p> <p><i>Discussions</i></p> <p><i>Sensitivity based analysis of voltage and reactive power in HV power grids</i> L.G. MANESCU, D. RUSINARU, M. CIONTU, M. ALBA, P. STROICA, Romania</p> <p><i>Discussions</i></p> <p><i>Comparative analysis of gases emissions for different types of fuels</i> A. PREDA, M. POPESCU, P. STROICA, Romania</p> <p><i>Discussions</i></p>	
18:00 - 18:15	<i>Closing Plenary, Central Library, 2nd Floor, University "Politehnica" of Bucharest</i>	