

Reference Number	Abstract Number	Conference Timetable	Paper title & authors
October 10th, 2012 - RSEEC 2012 Technical Conference Session			
1	A112	Wednesday, October 10, 2012, 11:00 - 13:00 Venue: Hilton Hotel Sibiu - Conference Room No. 1	Transelectrica's experience with a tool for on-line stability assessment of electric power systems <i>Uros Kerin⁽¹⁾, Rainer Krebs⁽¹⁾, Florin Balasiu⁽²⁾, Rodica Balaurescu⁽²⁾, IC SG SE PTI, Siemens AG, Germany⁽¹⁾, CNTEE Transelectrica, Romania⁽²⁾</i>
2	A108	<i>Chair: Ciprian Diaconu</i> <i>Co-chair: Rainer Krebs</i> <i>Secretary: Adina Rosca</i>	Use of real-time thermal ratings to increase Network Reliability under Faulted Conditions <i>Simon Blake⁽¹⁾, Peter Davison⁽¹⁾, Philip Charles Taylor⁽¹⁾, David Charles Miller⁽²⁾, Andrew Webster⁽²⁾, Durham University, UK⁽¹⁾, Northern Powergrid, UK⁽²⁾</i>
3	A114		Energy Efficiency and Sustainability in the Water Sector <i>Aida Spahiu, Petraq Marango, Orion Zavalani, Lindita Dharmo, Polytechnic University of Tirana, Albania</i>
4	B112		Protection security assessment – innovative strategies and methods for future grids <i>Johann Jaeger⁽¹⁾, Rainer Krebs⁽²⁾, Thomas Bopp⁽²⁾, Li Shang⁽²⁾, Christian Blug⁽²⁾, FAU University Erlangen, Germany⁽¹⁾, Siemens AG, Germany⁽²⁾</i>
5	A115		Power system oscillation detection and mitigation: are synchrophasors the answer ? <i>Daniel Dumitrascu⁽¹⁾, Ciprian Hosu⁽¹⁾, Ion Barburas⁽¹⁾, Tudor Petrovan⁽¹⁾, Horia Cornel Balan⁽²⁾, EnergoBit S.R.L. Cluj-Napoca⁽¹⁾, Technical University of Cluj-Napoca⁽²⁾, Romania</i>
6	A113		Living Master Plans and Smart Engineering Solutions <i>Seher Gunaltay⁽¹⁾, Nelson J Bacalao⁽²⁾, Bugra Akduman⁽¹⁾, Ismail Sahin⁽¹⁾, B. Karaerik⁽³⁾, Siemens^(1,2), KCETAS⁽³⁾, Turkey^(1,3), USA⁽²⁾</i>
7	A125	Wednesday, October 10, 2012, 14:00 - 16:00 Venue: Hilton Hotel Sibiu - Conference Room No. 1	Evolutions and developments of the Smart Grid concept at a national and European level <i>Anca Popescu, Mihai Coteanu, Alina Poanta, Institution for Studies and Power Engineering, Bucharest, Romania</i>
8	A122	<i>Chair: Constantin Moldoveanu</i> <i>Co-chair: Herbert Schinnerl</i> <i>Secretary: Raul Matiu</i>	Standardization status for measures in critical situations in a Smart Grid <i>Ines Hauer, Zbigniew Antoni Styczynski, Otto-von-Guericke University Magdeburg, Germany</i>
9	A119		Cost Benefit Analyses for the Smart Grid Projects <i>Gheorghe Indre, Simona Liliana Soare, Eugen Florin Turcan, Nicolae Pantazi, C.N.T.E.E. Transelectrica S.A., Romania</i>
10	A128		European Grid Code - technical requirements for units grid connection <i>Florin Balasiu, Doina Ilisiu, C.N.T.E.E. Transelectrica S.A., Romania</i>
11	A106		Phase shifting transformers: Guidance for planning and operation <i>Herbert Schinnerl, Siemens AG Österreich – Transformers Weiz, Austria</i>

12	A123		SCADA / EMS with Dynamic Stability Assessment for Online Usage <i>Chris O. Heyde, Ranier Krebs, Siemens AG, Germany</i>
13	B113	Wednesday, October 10, 2012 16:20 - 18:40 Venue: Hilton Hotel Sibiu - Conference Room No. 1	Chemistry of insulating oil, its effect on service life of the oil and specification <i>Bruce Pahlavanpour, Per Wiklund, Cecilia Wetterholm, Nynas AB, Sweden</i>
14	A127	<i>Chairs: Mihail Coteanu, Jakob Widmer</i> <i>Co-chair: Jakob Widmer</i> <i>Secretary: Catalin Bogus</i>	Design and implementation SCADA platform dedicated for Transelectrica's Telecontrol Centers <i>Sorin Niculescu, Ion Merfu, C.N.T.E.E. Transelectrica S.A., Romania</i>
15	B103		Operation performance of the system integrity protection scheme (sips) in the interconnection between the Turkish and entso-e power systems <i>Fatih Koksal⁽¹⁾, Serhat Metin⁽¹⁾, Jorge Cardenas⁽²⁾, Oscar Casanova⁽²⁾, Andrea Lopez⁽²⁾, Francesco Iliceto⁽³⁾, TEIAS, Ankara, Turkey⁽¹⁾, GE Digital Energy, Spain⁽²⁾, "La Sapienza" University, Rome, Italy⁽³⁾</i>
16	A109		Metering interoperability for energy market - smart metering architecture <i>Dan Apetrei, Ion Silvas, Dumitru Federeciuc, SC Electrica SA, Romania</i>
17	A110		How to measure the energy when voltage and current are no longer analogue values ? <i>J. Widmer, Landis+Gyr AG, Switzerland.</i>
18	A111		The Romanian TSO's Power Quality Monitoring System <i>Carmen Stanescu⁽¹⁾, Catalin Lisman⁽¹⁾, Gheorghe Muresan⁽²⁾, Mihai Sarb⁽²⁾, Petru Postolache⁽³⁾, C.N.T.E.E. Transelectrica S.A.⁽¹⁾, ErgoBit, Cluj⁽²⁾, Polytechnic University of Bucharest⁽³⁾, Romania</i>
19	A124		Real Time Monitoring System Portile de Fier – Anina 400 kV OHTL & Resita – Pancevo 400 kV OHTL <i>P. Filipescu⁽¹⁾, B. Ciurumelea⁽¹⁾, V. Popescu⁽¹⁾, L. Iacobici⁽²⁾, C. Matea⁽²⁾, L. Niculae⁽³⁾, ISPE⁽¹⁾, C.N.T.E.E. Transelectrica S.A.⁽²⁾, NEXANS⁽³⁾, Romania</i>

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20	A105	Thursday, October 11, 2012 8:40 - 10:40 Venue: Hilton Hotel Sibiu - Conference Room No. 1	Measurement of OHL electrical parameters - powerful tool in protection settings <i>Gheorghe Moraru⁽¹⁾, Florin Balasiu⁽²⁾, SC SMART SA⁽¹⁾, C.N.T.E.E. Transelectrica S.A.⁽²⁾, Romania</i>
21	A118	<i>Chair: Florin Balasiu</i> <i>Co-chair: Robert Eged</i> <i>Secretary: Raul Matiu</i>	Determination of soil thermal properties in the design and laying of underground high voltage cables <i>Igor Buser, GEOMAP, Slovenia</i>
22	A120		After laying test and diagnostic of HV cable lines by using DAC technique <i>Róbert Eged, GA Hungary Ltd., Hungary</i>
23	B106		XLPE 400 kV Cable in Substation Stupina 400 kV – CNTEE Transelectrica – Constanta Branch <i>Ioan Dorin Hategan, Niculae Balta, Roberto Gabriel Sava, C.N.T.E.E. Transelectrica S.A., Romania</i>
24	A104		High Voltage Direct Current, solution for power systems interconnection <i>Ecaterina Dragan, Georgel Gheorghita, Fichtner Engineering, Romania</i>

25	C113		Current issues regarding the connection of wind power plants to the national power system <i>Hermina Abert, George Lavrov, Nicoleta Elena Rosca, SC ISPE SA, Romania</i>
26	C108	Thursday, October 11, 2012 11:00 - 13:00 Venue: Hilton Hotel Sibiu - Conference Room No. 1	Power network application to support management of power systems with high share of renewables <i>Uros Kerin, Edwin Lerch, Siemens AG, Germany</i>
27	A121	Chair: Ioan Hategan Co-chair: Uros Kerin Secretary: Catalin Bogus	Solution for impact reduction over safe operation of PS by the integration of a large volume of wind power plants <i>Monica Ungureanu⁽¹⁾, Florentina Mihailescu⁽¹⁾, Mihai Sanduleac⁽²⁾, Tractebel Engineering S.A.⁽¹⁾, ECRO SA⁽²⁾, Romania</i>
28	C116		Planning the electrical networks in the context of renewable energy integration <i>Daniela Bolborici, Dana Petrescu, Simona Oprea, Oana Stanescu, C.N.T.E.E. Transelectrica S.A., Romania</i>
29	C118		Photovoltaic Power development and grid connection. ISPE – provider of complete engineering & consulting solutions for Photovoltaic Power development and grid connection <i>Mihail Coteanu, Alexandru Stanculescu, Ioan Vasiliu, Ciprian Patrascu, Cosmin Spataru, Institution for Studies and Power Engineering (ISPE), Bucharest, Romania</i>
30	C104		Integration of generation from renewable energy sources in SCADA-EMS systems <i>M. A. Roncea, O. Codreanu, SC TELETRANS SA, Romania</i>
31	C101		Impact of emerging distributed generation facilities on distribution network <i>Dorel Stanescu, Iacob Blagu, SC Electrica SA, Romania</i>
32	C112	Thursday, October 11, 2012 14:00 - 16:00 Venue: Hilton Hotel Sibiu - Conference Room No. 1	Virtual Power Plant – opportunity, necessity, conditions for achieving <i>Hermina Albert, Georgiana Gutu, Bogdan Marcu, SC ISPE SA, Romania</i>
33	C117	Chair: Radu Pentiu Co-chair: Basarab Guzun Secretary: Adina Rosca	Integration of renewable energy in National Energy System using the concept of VPP <i>Catalin Bogus, Lucian Benghea, Andrei Romanescu, C.N.T.E.E. Transelectrica S.A., Romania</i>
34	C102		Topics on Protection Systems for Renewable Energy Sources Integration <i>Florin Balasiu⁽¹⁾, Gheorghe Moraru⁽²⁾, C.N.T.E.E. Transelectrica S.A.⁽¹⁾, SC Smart SA⁽²⁾, Romania</i>
35	D102		The electromagnetic compatibility seen into capability diagram at one H.P.P.- storing energy facilities, using variable drivings <i>Basarab GUZUN⁽¹⁾, Elena ANGHEL⁽²⁾, Julian BARBOIANU⁽²⁾, Constantina GROFU⁽²⁾, Valentin ZAHARESCU⁽²⁾, Polytechnic University of Bucharest⁽¹⁾, Romania</i>
36	C109		Quantification method for RES power cut versus grid reinforcement <i>Florin Constantin Ciobanu, Monica Ungureanu, Elena Alice Bucur, Tractebel Engineering (GDF SUEZ), Romania</i>

37	C120		Modeling of wind power plants generators in transient stability analysis <i>Oana Stanescu, Daniela Bolborici, Simona Oprea, C.N.T.E.E. Transelectrica S.A., Romania</i>
38	C106	Thursday, October 11, 2012 16:20 - 18:40 Venue: Hilton Hotel Sibiu - Conference Room No. 1	Aspects of wind power plants effects on the electrical power system <i>Claudia-Elena Boamba, Cristian Radoi, C.N.T.E.E. Transelectrica S.A., Romania</i>
39	C115	<i>Chair: Constantin Bulac Co-chair: Simon Blake Secretary: Catalin Bogus</i>	The influence of wind farm automatic secondary voltage regulations systems installed in the transmission grid on the operational voltage of the connection substation and surrounding area <i>Mirea Constantin⁽¹⁾, Virgiliu Ivan⁽¹⁾, Mircea Eremia⁽²⁾, C.N.T.E.E. Transelectrica S.A.⁽¹⁾, Polytechnic University of Bucharest⁽²⁾, Romania</i>
40	C105		Use of Battery Storage to Increase Network Reliability under Faulted Conditions <i>Simon Richard Blake⁽¹⁾, Jialiang Li⁽¹⁾, David Charles Miller⁽²⁾, Ian Lloyd⁽²⁾, Durham University⁽¹⁾, Northern Powergrid⁽²⁾, UK</i>
41	C121		Micro-Smart Grid for Electricity Supplying from Renewable Energy Sources to Consumers from Sibiu South Substation <i>Fanica Vatra⁽¹⁾, Ana Poida⁽¹⁾, Lucian Benghea⁽²⁾, Catalin Bogus⁽²⁾, Institute for Studies and Power Engineering (ISPE)⁽¹⁾, C.N.T.E.E. Transelectrica S.A.⁽²⁾, Romania</i>
42	C103		Battery utilization in electric substations <i>Traian Chiulan, Ciprian Gheorghe Diaconu, Mihai Marcolt, C.N.T.E.E. Transelectrica S.A., Romania</i>
43	B102		Unconventional transformers used in Romanian power grid <i>Rusu Constantin Adrian⁽¹⁾, Balaci Daniel⁽¹⁾, Dorin Cristescu⁽²⁾, C.N.T.E.E. Transelectrica S.A.⁽¹⁾, Polytechnic University of Bucharest⁽²⁾, Romania</i>
44	B109		Some results in the transformer maintenance of Transelectrica applied in 2010-2012 by SC SMART SA <i>Aurora Moraru, Florin Georgescu, Gheorghe Filip, Petre Ciobanu, C.N.T.E.E. Transelectrica S.A., Romania</i>
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45	E109	Thursday, October 11, 2012 9:00 - 10:40 Venue: Hilton Hotel Sibiu - Conference Room No. 2	Modern technology of electrical equipment maintenance – live-line working in Poland <i>Bogumil Dudek, Slawomir Widlas, Polish Committee of Safety in Electric Engineering SEP, Technical Committee No. 72 PKN, Poland</i>
46	E101	<i>Chair: Ioan Diaconu Co-chair: Bogumil Dudek Secretary: Marius Oltean</i>	Maintenance with Live Working Technology by the CNTEE Transelectrica administrator <i>Daniel Morar⁽¹⁾, Ioan Rodean⁽¹⁾, Marius Nicolae Oltean⁽²⁾, C.N.T.E.E. Transelectrica S.A.⁽¹⁾, S.C. SMART S.A.⁽²⁾, Romania</i>
47	E114		The Electricians' Implication in Distribution Electric Grid Works <i>G. Doroftei, D. Sumovschi, F. Vida, E.ON Moldova Distributie, Romania</i>
48	E112		Rehabilitation of 400kV OHL Mintia-Sibiu using Live Working Methods <i>Marius Nicolae Oltean, Ioan Sevastre, Lucian Dorin Brabete, S.C. SMART S.A., Romania</i>

49	E110		The replacement of the Anchors on 400kV OHL using Live Working Methods <i>Marius Nicolae Oltean, Ioan Sevastre, Lucian Dorin Brabete, S.C. SMART S.A., Romania</i>
50	E108	Thursday, October 11, 2012 11:00 - 13:00 Venue: Hilton Hotel Sibiu - Conference Room No. 2 Chair: Daniel Marginean Co-chair: Gheorghe Florea Secretary: Marius Oltean	Live -line surge arrester installing on a mountain section of the 400kV Gutinas Brasov o/h line (between towers 94-100) <i>George Florea⁽¹⁾, Adrian Maziliu⁽²⁾, Ioan Rodean⁽²⁾, Cristian Chiriac⁽²⁾, Marius Nicolae Oltean⁽³⁾, Elena Mateescu⁽⁴⁾, Power&Lighting Tehnorob S.A.⁽¹⁾, C.N.T.E.E. Transelectrica S.A.⁽²⁾, S.C. SMART S.A.⁽³⁾, Fichtner Engineering S.A.⁽⁴⁾, Romania</i>
51	E105		Future live working training facility in Romania <i>Daniel Margineanu⁽¹⁾, Narcis Sandulescu⁽¹⁾, Marian Gheorghe⁽¹⁾, Elena Mateescu⁽¹⁾, Iona Rodean⁽²⁾, Constantin Matea⁽²⁾, Marius Nicolae Oltean⁽³⁾, Fichtner Engineering S.A.⁽¹⁾, C.N.T.E.E. Transelectrica S.A.⁽²⁾, S.C. SMART S.A.⁽³⁾</i>
52	E111		Selection, training, evaluation and authorization of live working operators in Romania <i>Marius Nicolae Oltean, Traian Fagarasan, Gabriel Cotrigasanu, SC SMART SA, Romania</i>
53	E113		The prevention of occupational risks in the live working installations - a premise for competitiveness <i>G. Buica⁽¹⁾, C. Beiu⁽¹⁾, I.Iorga⁽¹⁾, M.N. Oltean⁽²⁾, National Research and Development Institute for Labor Protection "Al. Darabont" Bucharest⁽¹⁾, SC SMART SA⁽²⁾, Romania</i>
54	E107		Using the bio-phyto-dynamic modulators to protect the live-line workers under low frequency electromagnetic field influence <i>George Florea⁽¹⁾, Ancu Dinca⁽²⁾, Ioan Rodean⁽³⁾, Marius Nicolae Oltean⁽⁴⁾, Power&Lighting Tehnorob S.A.⁽¹⁾, Centrul de studii si cercetari biosinenergetice "Dinca Ancu"⁽²⁾, C.N.T.E.E. Transelectrica S.A.⁽³⁾, S.C. SMART S.A.⁽⁴⁾, Romania</i>

October 12th, 2012 - RSEEC 2012 Technical Conference Session

55	B105	Friday, October 12, 2012 8:40 - 10:40 Venue: Hilton Hotel Sibiu - Conference Room No. 1 Chair: Valentin Zaharescu Co-chair: Issouf Fofana Secretary: Raul Matiu	Objective decisions for maintenance in electricity transmission grid, under equipment ageing conditions <i>Cristina Barbulescu, Roxana Marciu, Ciprian Diaconu, Ioan Dorin Hategan, Marian Florea, C.N.T.E.E. Transelectrica S.A., Romania</i>
56	B101		Equipment's life time management based on linear regression <i>Valentin Zaharescu⁽¹⁾, Lucian Miron⁽¹⁾, Andrei Romanescu⁽¹⁾, Caius Panoiu⁽²⁾, Amelia Bucur⁽³⁾, C.N.T.E.E. Transelectrica S.A.⁽¹⁾, Polytechnic University Timisoara⁽²⁾, "Lucian Blaga" University Sibiu⁽³⁾, Romania</i>
57	B104		On-line Refurbishment of Aging Power Transformers <i>Jon Sabau⁽¹⁾, Issouf Fofana⁽²⁾, InsOil Canada Ltd⁽¹⁾, University of Quebec at Chicoutimi⁽²⁾, Canada</i>
58	A126		Improving crisis management in the aftermath situation – Transelectrica's contributions in CRISIS FP7 European Project <i>Simona Voronca, C.N.T.E.E. Transelectrica S.A., Romania</i>

59	D108		Optimal reactive power and voltage control using evolutionary techniques <i>C.F. Ionescu, C. Bulac, I. Tristiu, Polytechnic University of Bucharest, Romania</i>
60	D106		Clustering-based algorithm in power system partitioning <i>G. Grigoras⁽¹⁾, C. Barbulescu⁽²⁾, "Gheorghe Asachi" Technical University of Iasi⁽¹⁾, C.N.T.E.E. Transelectrica S.A.⁽²⁾, Romania</i>
61	D107	Friday, October 12, 2012 11:00 - 13:00 Venue: Hilton Hotel Sibiu - Conference Room No. 1	Recent advances on the magnetic field computation in high voltage substations <i>I. T. Pop⁽¹⁾, C. Munteanu⁽²⁾, C. Hangea⁽²⁾, T. Gutiu⁽²⁾, C.N.T.E.E. Transelectrica S.A.⁽¹⁾, Technical University of Cluj-Napoca⁽²⁾, Romania</i>
62	A103	Chair: Calin Munteanu Co-chair: Ion Tristiu Secretary: Catalin Bogus	Power flow control using phase shifting transformer or thyristor controlled series capacitor <i>Costel Constantin⁽¹⁾, Iulia Constantin⁽¹⁾, Mircea Eremia⁽²⁾, C.N.T.E.E. Transelectrica S.A.⁽¹⁾, Polytechnic University of Bucharest⁽²⁾, Romania</i>
63	A107		Efficient operation of the hydropower cascade under active networks <i>Elena Daniela Comanescu⁽¹⁾, Gheorghe Grigoras⁽²⁾, Roxana Dumitrescu⁽¹⁾, Florina Scarlatache⁽²⁾, Hidroelectrica S.A. - Subsidiary "Bistrita" Piatra Neamt⁽¹⁾, "Gheorghe Asachi" Technical University of Iasi⁽²⁾, Romania</i>
64	A102		Enhanced power system state estimation with synchronized measurements and pseudo-measurements <i>Valeriu-Julian Presada⁽¹⁾, Mircea Eremia⁽²⁾, Lucian Toma⁽²⁾, C.N.T.E.E. Transelectrica S.A.⁽¹⁾, Polytechnic University of Bucharest⁽²⁾, Romania</i>
65	B110		Assessment of Power Transformers Conditions Based on Health Index <i>Gabriel Tanasescu⁽¹⁾, Oana Dragomir⁽¹⁾, Lucian Voinescu⁽¹⁾, Bogdan Gorgan⁽²⁾, Petru Notingher⁽²⁾, Toma Suru⁽³⁾, Melinte Cornel⁽³⁾, S.C. Simtech International S.R.L.⁽¹⁾, Polytechnic University of Bucharest⁽²⁾, Hidroelectrica S.A. - Subsidiary "Bistrita" Piatra Neamt⁽³⁾, Romania</i>
66	D101		Evaluation of two fault location algorithms using Matlab modeling <i>Marian Dragomir⁽¹⁾, Alexandru Miron⁽¹⁾, Marcel Istrate⁽²⁾, Ion Nedelcu⁽³⁾, C.N.T.E.E. Transelectrica S.A.⁽¹⁾, "Gheorghe Asachi" Technical University of Iasi⁽²⁾, Eltelnetworks SA Bucuresti⁽³⁾, Romania</i>
October 12th, 2012 - ALSTR Live demonstration			
		Friday, October 12, 2012 09:00 - 13:00	Aerovision (Romania): Aerial inspection of OHL using unmanned aerial platforms. Aerovision will demonstrate how OHL inspection can be done by using unmanned devices (drones). In this case UAV systems will be used and the inspection data will be available in real time.
			Smart Sibiu (Romania): Bare hand working. Methods for reaching potential (insulating ladder, aerial insulating platform, aluminum ladder etc). Smart teams will demonstrate some usual methods for reaching the potential used in bare hand technologies. This action is the main and most important part of the technology and it can be accomplished using various tools and devices.
October 12th, 2012 - RSEEC 2012 Technical Tour			
		Friday, October 12, 2012 14:00 - 16:00	RETRASIB SA - visit in Sibiu Sud Substation 400/220/110/20 kV