

AGENDA RSEEC 2024

A NEXT GENERATION NETWORK CONFERENCE



8-10 of October



Timisoara

Tuesday, October 8 th , 2024				
09:00–09:30		Registration		Central Library UPT*
09:30–10:30		Opening Plenary & Exhibition Tour		Auditorium Amphitheater
10:30–11:00		Coffee Break		Exhibition hall
Session 1 – Interdependence between power systems and the environment Chair: Ștefan Kilyeni	11:00–11:45	Tutorial 1	CIGRE: Global Transmission Grid	Ciprian Diaconu - Romania
	11:45–12:10		Schneider Electric: EcoStruxure™ ArcFM Solution – a comprehensive GIS solution for utilities	Josip Aleksić
	12:10–12:25	1001	Re – Think Vegetation Management	Ciprian Conoro
	12:25–12:40	1003	Implementation of the ecological corridor management (ECM) project by Delgaz Grid: strategies and impact on biodiversity in high – voltage networks	Andreea Trofin
	12:40–12:55	1004	Climate change – new challenges in electricity distribution. The intervention system for 110 kV Overhead power lines	George Badaluta
	12:55–13:10	1008	Sustainable transformer liquids – options and perspectives	Thomas Norrby
13:10–14:10		Lunch Break		Exhibition hall
Session 2 – Innovations and advanced technologies in power systems Chair: Paul Stroica	14:10–14:55	Tutorial 2	Siemens Energy: Rethinking DLR - from capacity to maintenance	Jan Plot - Germany
	14:55–15:10	1002	20HyGrid pilot project and natural gas distribution infrastructure – key elements for the energy transition in Romania	Cristian Calin
	15:10–15:25	1015	HVDC Transmission Systems for Romanian Power Grid	Alisa Fleancu
	15:25–15:40	1020	System for identifying and locating faults in the MV network using information from the analyzers in the transformer substations	Florinel Popescu
	15:40–15:55	1009	Integrated concept into Delgaz operational workforce education	Ciprian Tataru
	15:55–16:10	1011	Power App in Delgaz: GIS mobile flows for prosumers, maintenance and design	Radu Badaluta
	16:10–16:25	1005	Hosting capacity maps in Distribution Networks of Delgaz Grid	Sorin – Victor Rusu
16:25–16:55		Coffee Break		Exhibition hall
Session 3 – Data monitoring and management in power system Chair: George Florea	16:55–17:10	1017	Maintenance System Based on Real – Time Monitoring Cables Sag of the Overhead Power Lines	Claudiu Nicola
	17:10–17:25	1019	System for Real Time Monitoring and Optimizing of Power Losses in High Voltage Substations – a Romanian Experience	Constantin Moldoveanu
	17:25–17:40	1006	Processes and data flows in DELGAZ IT infrastructure for an advanced management of the distribution system	Madalina Tanasa
	17:40–17:55	1027	The New Metering System for Wholesale Market in Romanian Power Grid	Florin Radoi
	17:55–18:10	1010	Solutions for transmitting data – in near real time – from the smart electricity meter to the consumer	Sorin Balauta
18:10–20:30		Welcome Cocktail		Exhibition hall

Wednesday, October 9th, 2024

Session 4 – Protection systems in energy infrastructures Chair: Gheorghe Moraru	09:30–09:45	1007	Using electrical parameters measurement results in protection settings	Gheorghe Moraru	Central Library UPT*
	09:45–10:00	1014	Unique electrical protection solutions for equipment in Romania's ETN	Valentin Vilcu	
	10:00–10:15	1021	Performance analysis of power transformer differential protection by modeling in Matlab – Simulink	Alexandru Miron	
	10:15–10:30	1022	Relay protection challenges during STATCOM dynamic behavior	Ciprian Borascu	
	10:30–11:00	Coffee Break			Exhibition hall
Session 5 – Current challenges within power systems Chair: Marius Oltean	11:00–11:45	Tutorial 3	CTC Global: Advanced Composite Conductors - Adoption Across Europe and New Innovations Focus	Andrea Sacripanti & Andey Bikaev - USA	Auditorium Amphitheater
	11:45–12:00	1024	EHV Transmission line bundle phase twisting due to asymmetrical external loads: The 400 kV o/h line Bucharest South- Gura Ialomitei (Romania) – Case Study of the events occurred on November, 26, 2023. Part I: The events on November, 26. 2023, tripouts, meteorological conditions, twisting mechanism, scenario	George Florea	
	12:00–12:15	1025	EHV Transmission line bundle phase twisting due to asymmetrical external loads: The 400 kV o/h line Bucharest South – Gura Ialomitei – Case Study. Part II: Solutions to be applied to maximize the phase torsional rigidity	George Florea	
	12:15–12:30	1028	Approach for temporarily increasing the current carrying capacity at medium voltage switchgear, as part of the congestion/transport shortage mitigation programs	Martin Kovarik	
	12:30–12:45	1029	RES impact into the electric power distribution and transmission network	Aurel Lungu	
	12:45–13:45	Lunch Break			Exhibition hall
Session 6 – NGN Scientific Paper Contest Chair: Bogdan Leu	13:45 – 14:30	Tutorial 4	PPC Romania: Building resilience – How Retele Electric supports the energy transition	Adrian Pascu – Romania	Auditorium Amphitheater
	14:30–14:45	1012	Project SkyHawk: Novel design and control for a VTOL drone	Tudor Cosarca	
	14:45–15:00	1013	Opportunities to capitalize on the sludge resulting from the treatment of wastewater from an electrostatic field painting line	Diana Tucu	
	15:00–15:15	1016	Power System adequacy assessment at ENTSO – E level in the new geopolitical conditions	Roberta Nicovschi	
	15:15–15:30	1018	Assessment of renewable energy integration in distribution networks based on Monte Carlo simulations	Andrei Tudose	
	15:30–15:45	1023	Control of power circulation in the transmission power grid using the Series Synchronous Static Compensator (SSSC)	Ana-Maria Ghiures	
	15:45–16:00	1026	Applications of point on wave measurements for modelling the energy transfer in emerging distribution grids	Radu Opreanu	
	16:00–16:15	1030	The impact of prosumers in the LV electricity distribution network	Georgiana Stanciu	
	16:15–16:30	Coffee Break			Exhibition hall
16:30–17:00	NGN Career Talks		Ciprian Diaconu	Auditorium Amphitheater	
17:00–17:30	NGN Scientific Papers Contest Results & Awarding				
17:30–17:45	Closing of the scientific program of the event by the CIGRE Romania Chair				
19:00–23:00	Festive Dinner				Berăria 700 (Str. Coriolan Brediceanu 4)*
Thursday, October 10th, 2024					
10:00–11:30	Retele Electric: Electrical Substation Technical Visit				Musicescu substation (Str. Ioachim Miloia 31)*
11:30–13:00	SkyLine Drones: LiDAR Scanning Demonstration with Drones				Musicescu substation (Str. Ioachim Miloia 31)*