

Conference Program

Pre-Conference Tutorials: Sunday 15th October 2017 (25th Muharram 1439)

Tutorials Registration

	08:00 - 09:00
Tutorial 1 Real-Time Simulation of Modern Power Systems: Role, Requirements, Applications and Case Studies	09:00 - 14:00
<i>Presented by: Simon Abourida- Middle East Business Development Manager, OPAL-RT Technologies</i>	
Tutorial 2: Integration of renewable energy into the grid	09:00 - 14:00
<i>Presented by: Mario Campo, Global Product Manager Renewables, ABB</i>	

Conference Registration & Reception

18:00 - 21:00

The First Day: Monday 16th October 2017 (26th Muharram 1439)

Conference Registration

07:30 - 13:15

Opening Ceremony:

- Welcome statement and Holy Quran	09:00 - 09:05
- Host Country Address : H.E. President of General Authority of Electricity & Water	09:05 - 09:15
- GCC Address : H.E. GCC Secretary General	09:15 - 09:25
- Host Company Address: H.E. CE of Oman Electricity Transmission Company	09:25 - 09:35
- GCC Cigre Address: H.E. Chairman of GCC CIGRE Board of Directors	09:35 - 09:45
- Cigre Address & Keynote : H.E. Cigre Secretary General	09:45 - 10:05
- Honoring Conference Main sponsors	10:05 - 10:15
- Exhibition inauguration	10:15 - 10:45
- Tea Break	10:45 - 11:00

The First Day: Monday 16th October 2017 (26th Muharram 1439)

16 th Oct. 2017 11:00 - 12:30	Session A1: System Operations and Control (1) Chaired by: Eng. Saleh Alamri, GCC LAB, CEO Special Presentation: GCC Lab, Eng. Saleh Al-Amri
	A101 How Higher Voltage Level Improves Operation of Oman Power System, Mr. Rahim Zeinali, Monenco Consulting Engineers
	A102 Reliability of GCCIA Interconnector, Mr. Ikram Rahim, GCCIA
	A103 Interfacing Nuclear Power Plant with ADWEA Transmission Grid - Common Users Considerations and Strategic Plans, Dr. Ahmed TAHA, Abu Dhabi transmission & dispatch co. TRANSCO
	A104 Spinning Reserve and Regulations Requirements with high penetration of Photovoltaic Systems in MIS, Mr. YAQOUB AL SHAMLI, Oman Electricity Transmission Company
	A105 Operating Reserve Considerations in Small Size Power Systems, Hananeh Falsafi, Monenco
12:30 - 13:15	Prayer and Tea Break for Exhibition Visit and Product Showcase 1
16 th Oct. 2017 13:15 14:45	Session B1: Electricity Markets and Regulation Chaired by: Dr. Hilal Abdullah Salim Al Nasser, Manager, Planning and Economics, OETC
	B101 Towards an Integrated Approach of Market Design for Modern Power Grids with Significant Renewable Energy Resources, Dr. Kwok Cheung, GE
	B102 Cross-border Transmission Capacity Management for Regional Electricity Market Development, Mr. Grzegorz Onichmowski, GCCIA
	B103 Roadmap for Regional Electricity Markets in South Asia, Mr. Rajesh Mediratta, Indian Energy Exchange

14:45	Ltd
	B104 SEC Economic Benefits from Power Trade: Progress Review & Opportunities, Mr. Salman Mohammed A Alowaiji, Saudi Electricity Company
	B105 Harmonisation of Cost Reflective Transmission Tariffs: International Lessons Learned, Dr. Charlotte Higgins, TNEI Services Limited
	B106 Initial Phase Model suggested for GCC Electricity Market, Mr. Yousef Almarwan, GCCIA
	B107 Electricity Markets and Regulation in the Kingdom of Saudi Arabia, Mr. Abdullah Matar Alharbi, Saudi Electricity Company
14:45	Close of Day and Lunch
20:00 – 22:00	Gala Dinner

Second Day: Tuesday 17th October 2017 (27th Muharram 1439)

		TRACK – A	TRACK - B
		Session A2: System Planning, Development & Economics Chaired by: Dr. Salem AL Harthi, Projects Director, Transco-UAE	Session B2: Substations Protection and Automation Chaired by: Eng. Alaa Rahma, Head of Protection and automations, GCCIA
17 th Oct. 2017 09:00 – 10:45		A201 Techno-Economic Evaluation of 1500MW Generation Connection to the Main Interconnected Transmission System in Oman, Mr. Mohammed AL Sulaimi, Oman	B201 Digital substations: analysis of concepts, benefits and challenges, Mr. Stefan Meier, ABB
		A202 Reactive Power & Voltage Optimisation on the Main Interconnected Transmission System in Oman: A Practical Guide for Voltage Profiling & Convergence, Mr. Musabah Al Siyabi, Oman Electricity Transmission Company	B202 IEC 61850 Basic Application Profiles And Their Contribution To Ease Project Specification, Mr. Thomas Rudolph, Schneider Electric GmbH
		A203 Assessment of Earth Return Currents on the Oman Main Interconnected Transmission System for Determining Rise of Earth Potential, Mr. Mohammed alhasni, Oman Electricity Transmission Company	B203 From commissioning to decommissioning – Testing aspects for protection devices, Mr. Michael Albert, OMICRON electronics Deutschland GmbH
		A204 New MJEC's SED-LF Demand Forecasting Tool, Mr. Badar Al Washahi, Majan Electricity Company	B204 Connecting digital substations - IEC 61850 GOOSE based inter substation protection, Mr. Ramon Bächli, ABB
		A205 Sizing of the series and shunt compensation of the COA-WOA interconnection and impacts on the maximum transfer capacity, Mr. Malik Al Hajji, Saudi Electricity Company	B205 CHALLENGE TO EXTEND THE SUBSTATION AUTOMATION SYSTEM (SAS) IN A LIVE SUBSTATION, Mr. Abdul Basit, Saudi Electricity Company
		A206 Monitoring the Condition of Power Transformers by Implementing Health Index and Risk Index in OETC, Mr. Mohammed Alzadjali, Oman Electrical Transimiton Company	B206 Using an iterative approach to mimic real-time closed-loop simulation for protection testing in the field, Mr. Thomas Hensler, OMICRON electronics GmbH
		A207 Development & Verifications of Dynamic Load Modeling for the Main Interconnected Transmission System in Oman, Mr. Abdullah Al Habsi, Oman Electricity Transmission Company	
10:00-11:30		Poster Session No. 1	
10:45 – 11:30		Tea Break for Exhibition Visit and Product Showcase 2	
		TRACK - A	TRACK - B
		Session A3: System Operations and Control (2) Chaired by: Eng. Abdulaziz AL Mahmoud, Operations Manager Kahramaa-Qatar	Session B3: Transformers and Reactors, Distribution System, Switchgear and HV Equipment Chaired by: Mohammad Asiri, Maintenance Executive Director, SEC
17 th Oct. 2017 11:30 – 12:45		A301 Strategic Development of Wide Area Monitoring on	B301 Lines capability enhancements for long 33 KV RAEC

Oman Main Interconnected Transmission System, Mr. Ali Almaamari, OETC	network, Mr. Aiman Al-naamani, Sultan Qaboos University
A302 Transmission Net Transfer Capacity (NTC) Allocation in the GCC Combined Grid System, Al-Garni, Abdulraheem, GCCIA	
A303 EDF Experience in Developing and Operating Energy Storage in T&D Grid, Mr. Bruno Prestat, EDF R&D	B302 Voltage Control in the Active Distribution Networks, Oman Case Study, Mr. Ahmed Al-Nadabi, Oman Electricity Transmission Company
A304 Application of Universal Distribution Factors to Saudi Power Grid, Mr. Abdullah Alodhaiani, National Grid SA	B303 An innovative solution for timely defect identification in different types of On-Load Tap Changers, Dr. Joseph Wetzer, DNV-GL Energy
A305 GCCIA's Control System Security Assessment, Mr. Rabee Al Maqabi, GCCIA	B304 First Trip Timing Measurements for CB, Mr. Mohamed Ali, OMICRON
A306 DESIGN OF A FUZZY LOGIC POWER SYSTEM STABILIZER FOR THE MAIN INTERCONNECTED POWER SYSTEM OF OMAN, Mr. YAQOUB AI SHAMLI, Oman Electricity Transmission	B305 Short-circuit current withstand verification of large power transformers by full-scale testing, Prof. Rene Smeets, KEMA Laboratories, DNV GL

12:00-13:30 Poster Session No.2

12:45 – 13:30 Prayer and Tea Break for Exhibition Visit and Product Showcase 3

	TRACK - A	TRACK - B
	Session A4: Asset Management for Power Systems Chaired by: Dr. Adil Ghalib Khalifa AL Busaidi, Senior Manager, Asset management, OETC	Session B4: SMART GRIDS Chaired by: Eng. Abdulaziz Al-Nasser, Engineering and Design Manager, SEC
	A401 A case study to demonstrate the value of a decision-support model using the concept of asset health-index and risk-indexing, Mohannad Al-suhaily, DNV GL	B401 Challenges and Opportunities in the Transition to a more Active Distribution Network, Dr. Charlotte Higgins, TNEI
	A402 Asset Condition and Risk Assessment for Improvement of Asset Management System Quality; the Case Study, Mr. Tarik Al-abri, OETC	B402 How to prepare the communication infrastructure for future smart grid applications, Mr. Christian Roth, ABB
	A403 Strategic Asset Management Implementation (SAMI) at National Grid - Saudi Arabia, Antoine Mathieu, Elia Grid International	B403 Smart Grid Cyber Security: Assumptions vs Real Threats, Mr. Rashid Jalil, Saudi Electricity
	A404 Continuous On-Line Condition Monitoring System Roadmap Challenges at a Utility, Madam Alaa al-kiyumi, OETC	B404 Development of Remote Maintenance for Substation Automation Systems, Mr. Abdullah Al-JAhil, National Grid Saudi Arabia
	A405 Case study : effectiveness of Transformer firefighting (deluge) System in Oman Electricity Transmission Company (OETC) network, Mr. Ibrahim Al Balushi, OMAN ELECTRICITY TRANSMISSION COMPANY	B405 Reduction of power losses with AMDS – methodology, study and experience, Juliana Katic, Schneider Electric DMS, Serbia
	A406 Optimizing the availability of HVDC systems via Digital Services, Mr. Jean-Louis COULLON, General Electric	

14:45 Close of Day and Lunch

17:00 – 19:00 GCC Cigre Board of Directors meeting

Third Day: Wednesday 18th October 2017 (28th Muharram 1439)

	Session A5: HVDC and FACTS Technology, Renewable Energy and Nuclear Power for the Gulf States, New Trends for Substation Chaired by: Dr. Rashid Said Mohammed Al Badwawi, Senior Manager, CEO Office, OETC
	A501 Analysis of Measurement of Different types of PV Systems in Oman, Dr. Rashid Al Abri, SQU
	A502 Use of FACTS, VSC technology and active network management to facilitate greater non-conventional generation connections, Dr. Charlotte Higgins, TNEI Services Limited
	A503 Key parameters for HVDC overhead lines insulators, Mr. Fabien Virlogeux, Sediver
	A504 Belgium's HVDC interconnectors – an overview and early lessons learned, Tim Schyvens, Elia Grid International
	A505 Grid Integration of Intermittent Renewable Resources in Jordan, Dr. Chua-Liang Jerry Su, DNV GL
	A506 Innovative Improvements for Installation of Underground Transmission Lines with GIL, Dr. Petr Rudenko, Siemens AG

10:30 – 11:15	Tea Break for Exhibition Visit and Product Showcase 4	
18 th Oct. 2017 11:15 – 12:15	Session B5: Insulated Cables, Overhead Lines Chaired by: Eng. Mutlaq Al-Otaibi, Maintenance Manager, Kuwait	
	B501 High Voltage Power Cables installed in ventilated tunnels: investigation results on heat transfer., <i>Mrs Imane KAMAL, EDF</i>	
	B502 Online partial discharge detection and location of the underground cables by using different approach, <i>Mr. Bharat Nandula, Qualitrol</i>	
	B503 Evaluate the Effect of EMF from Transmission Lines on Human Beings in KSA, <i>Mr. Amer ashammari, Saudi Electricity Company</i>	
	B504 FAMILY OF LOW HEIGHT 380KV OVERHEAD TRANSMISSION LINES LATTICE STEEL STRUCTURES – DELTA CONFIGURATION IN THE KINGDOM OF SAUDI ARABIA, <i>Mr. ELMER GABINETE, SAUDI ELECTRICITY COMPANY</i>	
12:15 – 13:00	Prayer and Tea Break	
18 th Oct. 2017 13:00 – 14:00	CLOSING SESSION	
	• GCC Cigre Chairman Closing Statement	13:00 – 13:05
	• GCC Cigre Secretary General Announcements	13:05 – 13:15
	• Technical Committee Chairman Remarks & Recommendations	13:15 – 13:30
	• Open Discussion and final Remarks	13:30 – 13:45
	• Closing and Group Photos	13:45 – 14:00
14:00	Conference Close and Lunch	