DAY 1 PROGRAMME	MONDAY 11 SEPTEMBER 2017	
8.00 -8.30	Registration	
8.30 – 10.00	Keynote Speeches (Lecture Theatre OGGB 4)	
10.00 – 10.30	Tea	
10.30 – 12.30	Protection, Automation and control (Case Room 2)	Distribution system and Dispersed generation (Case Room 3)
12.30 – 14.00	Lunch/Trade Exhibition opening	
14.00 – 15.30	Materials and Emerging Testing Techniques (Case Room 2)	Distribution system and Dispersed generation (Case Room 3)
15.30 – 16.00	Tea	
16.00 – 17.30	Information System and Telecommunication (Case Room 2)	Distribution system and Dispersed generation. (Case Room 3)
17.30	Trade exhibition/Joint CIGRE welcome function	
DAY 2 PROGRAMME	**TUESDAY 12 SEPTEMBER 2017**	
8.00 - 8.30	Registration	
8.30 – 10.00	Keynote Speeches (Lecture Theatre OGGB 4)	
10.00 -10.30	Tea	
10.30 – 12.30	HV equipment and Substation (Case Room 2)	Distribution system and Dispersed generation. (Case Room 3)
12.30 – 14.00	Lunch/Trade Exhibition	
14.00 – 15.30	HV equipment and Substation (Case Room 2)	Distribution system and Dispersed generation. (Case Room 3)
15.30 – 16.00	Tea	
16.00 – 17.30	B5 Poster Presentation (Exhibition Hall)	
17.30	Trade exhibition	
19:00	AORC Dinner	
DAY 3 PROGRAMME	**WEDNESDAY 13 SEPTEMBER 2017**	
8.30 – 10.00	Tutorial: Power System with highly distributed energy sources. Room: Lecture Theatre OGGB 4	AORC Substation Tour
10.00 – 10.30	Tea	
10.30 – 12.30	Tutorial: Power System with highly distributed energy sources. Room: Lecture Theatre OGGB 4	AORC Substation Tour
12.30 – 14.00.	Lunch/Trade Exhibition	Cigre Women in Engineering (Case Room 2)
14.00 – 15.30	Cigre Next Generation Network (Case Room 2)	AORC Council Meeting (Case Room 3)
15.30 – 16.00	Tea	
16.00 – 17.30	AORC Council Meeting (Case Room 3)	
17.30	Trade exhibition	
19.00	Combined CIGRE Banquet	

CASE ROOM 2

10.30 – 12.30, PROTECTION, AUTOMATION AND CONTROL, B5

CHAIR: TBD SPECIAL REPORTER: DUNCAN KANIARU MAINA

B5-01 Performance Indicators of Supervision and Control Systems with Focus on Information Quality
Pablo Humeres Flores, Diogo Vargas Marcos, **Eletrosul, Brazil**

B5-02 Business Case for IEC61850 – Beyond Copper Wire Savings
Chirag Mistry, **GE Grid Solutions, Australia**

B5-03 Extensible Implementation of Multistation Line Transfer Function in MEA's Distribution System
Pichit Jintagosonwit, **Metropolitan Electricity Authority (MEA), Thailand**

B5-04 The Power System Blackout Restoration: A Planning in Thailand's
Theerasak Arunthanakij, **Electricity Generating Authority of Thailand, Thailand**

B5-05 Fault Analysis of Compensated Medium Voltage Network with High Penetration of Inverter Based Energy Systems (IES)
N.U.Faarooqui, N.-K.C Nair, **University of Auckland, New Zealand**

B5-06 IEC61850 Goose Based Arc Flash Protection Scheme
H Nikolajenko and A Bajracharya, **Mitton ElectroNet Ltd, New Zealand**

CASE ROOM 2

14.00 – 15.30, MATERIALS AND EMERGING TESTING TECHNIQUES, D1

CHAIR: TBD SPECIAL REPORTER: ANKUR MISHRA

D1-01 Transformer Life Management (TLM): Transformers Investigations and Predictions of Internal Faults
Dr.Mohammed Al-Nsour, Prof. Jalal Abdallah, **Central Electricity Generating Company, Tafila Technical University, Jordan**

D1-02 Field Grading Material Layer Design On Stress Relief Cone For HVDC Ending Box-Air(EB-A) Using Conventional Ac Stress Relief Cone
D.U.Kim, S.W.Ahn, B.C.Mun, S.H.Lee, B.W.Lee, I.S.Kwon, K.Sakamoto, **Iljin Electric Co., Hanyang University, Republic of Korea**

D1-03 Foresight - An Emerging Testing and Diagnostic Technique Coupled with Predictive Maintenance Can Make Significant Savings On Grid Maintenance
Goran Stojadinovic, **Northpower, New Zealand**

D1-04 Properties of Fluoronitrile/CO2 gas mixture as an alternative to SF6 and its application to 420 kV Gas Insulated Line
S. Gong, Ph. Ponchon, Y. Kieffel** **GE Grid Solutions, Singapore, (*) France**

CASE ROOM 2

16.00 – 17.30, INFORMATION SYSTEMS & TELECOMMUNICATION, D2

CHAIR: TBD SPECIAL REPORTER: SAMAD SHIRZADI

D2-01 The Application of IOT And Data Analytic Towards Digital Initiative for Leveraging Security and Reliability Management in EGAT Transmission System.
Dr. Surat Tanterdtid, **Communication System Division, Electricity Generating Authority of Thailand (EGAT), Thailand.**

D2-02 Enhancement of Telecommunication Networks In EGAT
C. Pongmala, W. Yuttachai, **Electricity Generating Authority of Thailand, Thailand.**

D2-03 The Implementation of IOT Technology in Electric Power Industry
W.Watcharasareekul, **Electricity Generating Authority of Thailand, Thailand**

D2-04 PEA Unmanned Substation Monitoring Based On Private Cloud Computing
Anurak Choeichum, Wichan Inyoo, Yutthna Krutgard, Khajorn Prongfa, **Provincial Electricity Authority (PEA), Thailand**

DAY 1 PAPER SCHEDULE **MONDAY 11TH SEPTEMBER 2017**

CASE ROOM 3

10.30 – 12.30, DISTRIBUTION SYSTEM AND DISPERSED GENERATION, C6
CHAIR: TBD SPECIAL REPORTER: DR. MOHAMMAD JAVAD

C6-01 Economic Implications of Renewable Energy Policy Implementation: A Case Study of Thailand
Ms. Amornrat Muntraporn, **Provincial Electricity Authority**, *Ms. Amornwan Resanond, Ph.D.* **United Nations Development Programme**, *Mr. Yossathon Muntraporn,* **Provincial Electricity Authority Thailand**

C6-02 Optimal Location and Parameters of Interline Power Flow Controller to Reduce Power System Losses Using Ga And Cs
Ali B. Othman, Muwaffaq I. Alomoush, **Irbid District Electricity Company (IDECO), Irbid, Department of Electrical Power Engineering, Hijjawi Faculty for Engineering Technology, Yarmouk University, Irbid. Jordan**

C6-03 Optimal Fault Current Limiter in Distribution Network Under High Penetration Level
Eng. Ibrahim Kiriakos, Eng. Wafa Qutaina, Eng. Zaher Saafin

C6-04 Comparison of Three-Voltage-Level 33/1/0.4 KV Distribution System to The Traditional 33/0.4 KV For Delivering Energy to Isolated Rural Areas.
Alia R. Al-Wedian, Qutaiba A. Al Hazaimeh, Bashar Y. Altamimi, **Irbid District Electricity Company (IDECO), Irbid, Jordan.**

C6-05 Spatial Prediction of Renewable Energy Resources for Reinforcing And Expanding Power Grids
Eunsup Kwak, Hyunjin Kim, Jin Hur, **Korea Electric Power Corporation, Sangmyung University, Republic of Korea**

CASE ROOM 3

14.00 – 15.30, DISTRIBUTION SYSTEM AND DISPERSED GENERATION, C6
CHAIR: TBD SPECIAL REPORTER: DR. MOHAMMAD JAVAD

C6-06 Preparation of Electric Vehicle Infrastructure According to Thailand's Energy 4.0 Policy
Tosak Thasananutariya, **Metropolitan Electricity Authority (MEA), Thailand**

C6-07 Power System Analysis on Ac Power System In Korea Regarding Mongolia-China-Korea-Japan Power Grid Interconnection Project.
Ho-Seung Song, Young-Sung Lim, **Korea Electric Power Corporation, Republic of Korea**

C6-08 Loss Minimization of Distribution System with Electric Vehicles By Network Reconfiguration and Volt/Var Control
Dr. Jutanon Kaewmanee, **Metropolitan Electricity Authority, Thailand**

CASE ROOM 3

16.00 – 17.30, DISTRIBUTION SYSTEM AND DISPERSED GENERATION, C6
CHAIR: TBD SPECIAL REPORTER: LEO YANG LIU

C6-09 Development of Series Simulations for Microgrid Project's Application Ding Quan, Qian Guoming, Chen Fufeng, Men
Jie, Huang Chao Guo, **Dian Nanjing Automation Co., Ltd. China**

C6-10 Evaluation of External Purchase Study for Cross Border Project Between Thailand And Neighbouring Countries
Nammon Lertchitcharat, **Electricity Generating Authority of Thailand, Thailand**

C6-11 A Short-Term Forecasting Method For Electricity Demand In Thailand Based On Weather Prediction And Similar Day Approach
Phason Haesakul, Pattarawut Charatpangoon, Prapass Prungkhwunmuang, **Power System Control and Operation Division, Electricity Generating Authority Of Thailand, Thailand.**

C6-12 Pricing Optimization on renewable energy and fossil fuel under subsidies policy in Thailand.
Ronayut Teetong, **Office of Energy Regulatory Commission, Thailand**

DAY 2 PAPER SCHEDULE **TUESDAY 12TH SEPTEMBER 2017**

CASE ROOM 2

10.30 – 12.30, HV EQUIPMENT AND SUBSTATION, A3 & B3
CHAIR: TBD SPECIAL REPORTER: NASSER FAAROOQUI

A3&B3-01 Droop Coefficient Estimation in Multi-Terminal Dc System Through Grid Segmentation
S.SONG, B.KO, Y.YOO. G.JANG, **Korea university, South Korea**

A3&B3-02 Research On The Partitioning Optimization Strategy Of 220kv Power Grid Under Accident Or Maintenance Condition
Yang Jianlin, Zhang Mengyao, Qiao Weidong, Fei Fei1, Guo Mingxing, Luo Weiyang, Fan Hong, **State Grid Shanghai Electric Power Economic and Technology Research Institute, China, Shanghai University of Electric Power, China**

A3&B3-03 Management of Ageing Power Transformers
Vithid Khumchoo, **Electricity Generating Authority of Thailand (EGAT), Thailand**

A3&B3-04 Optimal Preventive Maintenance of Power Transformers
Nanthasak Doungtong, **Electricity Generating Authority of Thailand (EGAT), Thailand**

A3&B3-05 Medium Voltage Cables Termination Failure Causes and Preventive Solutions
Khaldoun, **Jerusalem District Electricity Company (JDECO), Israel**

A3&B3-06 An Optimal Maintenance Time Decision for Distribution Feeders Based on Equipment Health Index
Guo Huacheng, Zhou Limei, Liu Wenxia, Zhang Wei ,Gou Jun.
North China Electrical Power University, China Electrical Power Research Institute, Lanzhou Power Supply Bureau, China

CASE ROOM 2

14.00 – 15.30, HV EQUIPMENT AND SUBSTATION, A3 & B3
CHAIR: TBD SPECIAL REPORTER: ANKUR MISHRA

A3&B3-07 A Study of Closing Characteristics Using Pre-Insertion Resistor With Controlled Switching
K.R. Kwon, Y.J. Kwon, **Hyosung Corporation R&D Centre, Republic of Korea**

A3&B3-08 Fault-Location Method for PEA 115 KV Transmission Systems
Wichan Inyoo and Anurak Choeichum, **Provincial Electricity Authority Pea), Thailand**

A3&B3-09 Condition Monitoring of Ester Filled Transformers
Rajaram Shinde, **Cargill Inc. (CIS), India**

A3&B3-10 Safety in Design Guidance For The New Zealand Electricity Supply Industry
J.L Clendon, **Electricity Engineers' Association (EEA), New Zealand**

A3&B3-11 A Study on Management Factor of Breaking Performance for 145kV and 362kV Gas Insulated Switchgear
Myoung-Hoo Kim, Min-Cheol Kang, Kyong-Hoe Kim, Ho-Jung Jeong and Young-June Shin
ILJIN Electric Co., Ltd., Republic of KOREA

DAY 2 PAPER SCHEDULE **TUESDAY 12TH SEPTEMBER 2017**

CASE ROOM 3

10.30 – 12.30, DISTRIBUTION SYSTEM AND DISPERSED GENERATION, C6
CHAIR: TBD SPECIAL REPORTER: SAMAD SHIRZADI

C6-13 Increased Renewable Energy Generation in Thailand - Determining Spinning Reserve Required and Affected Costs
W. Wonglimamornlert, T. Lubpanagawgiat, C. Achayuthakan, **Electricity Generating Authority of Thailand, Power Purchase Agreement Division, Thailand**

C6-14 Increasing Number of Electric Vehicles-Impacts On The Power System And The Proposed Alleviation
T. Lubpanagawgiart, W. Wonglimamornlert, C. Achayuthakan, **Electricity Generating Authority of Thailand, Power Purchase Agreement Division, Thailand**

C6-15 A Study on The Power System Operating Strategy For Jeju Island
Ho-Yong Lee, Seung-Hee Kim, Jong-Kyoon Kim, **Korea Electric Power Corporation, Republic of Korea**

C6-16 Energy Management System Initiation of The Smart District Office Building Pilot Project
Att Phayomhom, Nattanont Chotiheerunyasakaya, **Metropolitan Electricity Authority (MEA), Thailand**

C6-17 Small-Scale Three-Phase Photovoltaic Inverter Model for Grid Interconnection Studies
Koji Yamashita And Hayato Sato, **Central Research Institute of Electric Power Industry, Japan**

C6-18 Optimal Energy Storage Sizing with Demand Response and High Renewable Penetration
M. Furukakoi, O. B. Adewuyi, T. Senjyu, and T. Funabashi, **University of the Ryukyus, Japan**

CASE ROOM 3

14.00 – 15.30, DISTRIBUTION SYSTEM AND DISPERSED GENERATION, C6
CHAIR: TBD SPECIAL REPORTER: SAINBOLD SARANCHIMEG

C6-19 Optimal Thermal Units Commitment with Considering CSP Storage System and TOU Demand Response for a Smart Grid
Harun Or Rashid Howlader, Mohammad Masih Sediqi, Abdul Matin Ibrahimi, Tomonobu Senjyu, Toshihisa Funabashi, **University of the Ryukyus, Nagoya University, JAPAN**

C6-20 The Solution for Decentralised Dispersed Power Generation Of Pea's Remote Rural Area
Payon Punjad, Kitsanapol Daunghom, **Provincial Electricity Authority (PEA), Thailand**

C6-21 The development of low wind speed turbine in Thailand by Wind-lens Technology
Mr.Tongpong Sriboon, **Alternative Energy Encouragement Division, Provincial Electricity, Thailand.**

C6-22 Multi-Objective Plan Model For Charging Infrastructures And Distribution Network Based On FCAM
Shuoya Tang, Junyong Liu, Yue Xiang, Zhao Ma, Youbo Liu, **China Electric Power Research Institute, China**

C6-23 Study on output fluctuation of photovoltaic generation using electric vehicle in small power system
Kazuto Yukita(1), and Toshihisa Funabashi (2)
(1)Aichi Institute of Technology, (2)Nagoya University, Japan