

Detailed Programme of the 57th Conference and Exhibition
September 15-17, 2010

Focus Topic of the Conference: Quality Services

Main Sponsor of the Conference: E.ON Dél-dunántúli Áramhálózati ZRt. (South Transdanubia Power Grid Company)

September 15, 2010 (Wednesday)

- 8.30 Opening of the exhibition: **Katalin Jáni Kovácsné – chairperson, MEE Communication and Marketing Committee**
Lajos Gelencsér – president, MEE organization of Pécs
- 9.30 Opening address: **Attila Dervarics – president, MEE**
Welcoming addresses: **The mayor of the city of Siófok,**
István Bakács – president, Scientific Association of Energy Management,
Antal Penninger – president, Hungarian Energy Association
- **Awarding of the prize “For the Hungarian Electrotechnical Association”**
 - **Announcement of the results of the college/university thesis competition**

10.00 – 12.05 **Plenary Session**

Chairperson: András Kovács – secretary general, MEE

- 10.00 – 10.25 A level playing field and equal opportunity in the area of service quality
Dr. Eric Depluet - CEO, E.ON Hungária Zrt.
- 10.25 – 10.50 Quality for future proof energy
Le Boucher Thierry – EDF DÉMÁSZ Zrt.
- 10.50 – 11.15 Modern customer service at ELMŰ-ÉMÁSZ
Dr. Zoltán Kövesdi – ELMŰ-ÉMÁSZ Nyrt.
- 11.15 – 11.40 The activities of MAVIR related to quality services
Gábor Tari – MAVIR ZRt.
- 11.40 – 12.05 What is considered as quality services, and within this, as quality transmission/distribution by customers in the future? (our common challenges)
Dr. Gábor Szörényi - Hungarian Energy Office

12.05 – 12.20 Coffee Break

- 12.20 – 13.20 **Roundtable meeting, questions and answers.** Topic: The price of quality
Moderator: Richárd Hlavay
Participants: presenters of the morning programme

13.20 – 14.30 Lunch Break

- 14.30 – 16.00 **Plenary Session:**
Chairperson: Lajos Gelencsér, president, MEE organization of Pécs
- 14.30 – 15.00 Domestic biogas production potential
Dr. Kornél Kovács, professor – University of Szeged
- 15.00 – 15.30 The Gönyű Power Plant is about to be completed
Dr. Zoltán Korényi – E.ON Erőművek Kft.
- 15.30 – 16:00 Opportunities of establishing wind farms in Hungary from the investors' perspective
Éva Brand – IBERDROLA RENOVABLES

16.00 – 16.20 Coffee Break

- 16.20 – 18.05 **Presentation of the top winning thesis,**
Presentations held by our exhibitors
Chairperson: Katalin Jáni Kovácsné - chairperson, MEE Communication and Marketing Committee
- 19.00 **Dinner and networking**
Depending on their topics, the presentations of the first 3 winners of the thesis competition will be held in the sessions.

8.00-10.00 **Session A1: Asset and Property Management**
Chairperson: Imre Orlay – ÉMÁSZ Hálózati Kft. (Grid Company)

1. Lifecycle cost analysis of high voltage gas insulated equipment
Endre Mikes – AREVA Hungária Kft.
2. Introduction of a fuzzy logic based decision support system at ELMŰ-ÉMÁSZ
András Dunay – Geometria Kft.
3. 1 in 3: distributed record keeping of the complete corporate asset lifecycle
Tamás Szécsy – Geometria Kft.
4. Implementation of a workflow and asset management system on the transmission network
Gábor Gaál – MAVIR ZRt., Péter Hrobár – IBM Magyarországi Kft, Lajos Lengyel – Geometria Kft.
5. Introduction of the ELMŰ/ÉMÁSZ standard system
János Kajtor – ELMŰ Hálózati Kft.

10.00 – 10.30 Coffee Break

10.30-12.30 **Session A2: Grid Planning and Licensing**
Chairperson: György Szűcs – ELTI KFT.

1. Modern grid planning using GIS and grid calculations
Dr. Thomas Bopp – SIEMENS AG
2. Experiences gathered from the licensing processes of transmission lines with longer timeframes and having an impact on larger geographic areas, with case studies
Mónika Sári Jurácsikné – ETV-ERŐTERV ZRt.
3. Accessible Skies - a framework plan for environmentally friendly middle voltage grids
Zoltán Laboda – ETV-ERŐTERV ZRt.
4. Modernization of transmission line design parameters, taking meteorological consideration into account
Gábor Podonyi, Dr. Lajos Sági – ETV-ERŐTERV ZRt. Péter Tárczy - Energir Kft.
5. Modernization of line rights licensing
Béla Nagy, József Tóth – ELINOR Mérnökiroda Kft.

12.30 - 13.50 Lunch Break

13.50–15.50 **Session A3: System Operation**
Chairperson: Gábor Tari – MAVIR ZRt.

1. Security Statistical Records System at MAVIR
Tamás Veréb - MAVIR ZRt. Csaba Fodróczy - Astron Informatikai Kft.
2. Agent based modelling of small power plant system integration
Dániel Divényi - BME VET
3. Expected consequences of introducing the smart metering system on the domestic energy market from the point of view of system operation
Zsófia Perjési – ETV-ERŐTERV ZRt., Géza Gombos – MAVIR ZRt.
4. Implementation of direct and indirect control options in smart metering, T-curve analysis and verification algorithms
Zsolt Gombás – E.ON Dél-dunántúli Áramhálózati Zrt. Dr. Gábor Vámos - BME
5. Introduction of a Switching and Voltage Disconnection Order Management System at E.ON
Gábor Lakatos - E.ON Dél-dunántúli Áramhálózati Zrt, Krisztián Kapta - Astron Informatikai Kft

15.50 – 16.20 Coffee Break

16.20-18.20 **Session A4: Technical Issues of Substations**
Chairperson: Péter Gönczi - ETV-ERŐTERV ZRt.

1. Examination of the connections between the Gönyű MAVIR 400 kV switching station and the grounding networks installed in the area of the Gönyű power plant courtyard 400 kV switching equipment
Dr. György Varjú, József Ladányi – BME, Ferenc Szilágyi – ETV-ERŐTERV ZRt.
2. Measurement of the efficiency of relay cabinet shielding installed at substations of the transmission grid, and relevant experiences at the Pécs 400/120 kV transformer station
Ferenc Szilágyi – ETV-ERŐTERV ZRt. Dr. György Varjú - BME
3. Connection between grounding efficiency and transfer potential
József Ladányi – BME VET
4. Implementation of new arcing fault protection in electric switching equipment using innovative technology
Dr. György Morva – Óbuda University, Attila Tari – ELEKTROMAX Kft.

19.00 Dinner

8.00–10.00 Session B1: Smart Grid - Smart Metering
Chairperson: Péter Görgey - OVIT Zrt.

1. Opportunities and questions of smart grid solutions
Dr. György Varjú – BME VET
2. Smart grid trends in Europe, domestic opportunities
Richárd Haddad - Ipsol Rendszerház Kft. (System House Company)
3. Smart consumption metering in Europe
Gyöző Kmethy - Gnarus Mérnökiroda Kft. (Engineering Office Company)
4. Smart metering and radio frequency circuit control
József Sági - EFR CEE Kft.
5. Development of a domestic combined RKV and smart metering product line
Gábor Fűredi, József Murányi – PROLAN ZRT.

10.00 – 10.30 Coffee Break

10.30–12.30 Session B2: Safe Work Practices
Chairperson: Gábor Hollósy – president, MEE Electrical Network Plan and Repair

Section

1. Significance and focused management of labour safety, and the use of practical E.ON experiences in achieving targets
Zoltán Paluska - E.ON Hálózati Szolgáltató Kft. (Grid Service Company)
2. Labour safety challenges
Sándor Gráfel E.ON Tiszántúli Áramhálózati Zrt. (Electric Grid Company to the East of the Tisza)
3. Labour safety in grid construction practice
István Korponai DÉMÁSZ Prímavill Kft.
4. Labour safety challenges and responses in operating the EDF DÉMÁSZ grid
József Tóth - EDF Déomász Partner Kft.
5. Mitigating labour related hazards from the entrepreneur's point of view
Dalma Bódi Bobuláné - WATT-Erősáramú Tervező, Szerelő és Szolgáltató Kft. (Heavy Current Design, Assembly, and Service Company)

12.30 - 14.00 Lunch Break

14.00–16.00 Session B3: Diagnostics
Chairperson: Zoltán Szántó – PD TEAM Kft.

1. OWTS 150 - The NAF cable diagnostic tool
Róbert Egyed – GA Magyarország Kft.
2. Diagnostics of KIF and KÖF circuit breakers in practice
Attila Tari, Róbert Zunkó – Elektromax Kft.
3. Resistance measurement and diagnostics at substations and utility pole grounding connections
Dénes Viktor Béla – C+D Automatika Kft., József Ladányi - BME
4. A story of RSO and the commitment to quality
Dr. István Fodor – Vilodent Kft.
5. Complex non-destructive on-site insulation diagnostics
Ádám Tamus - Richárd Cselkó – BME VET (Electricity Department)

16.00 – 16.20 Coffee Break

16.20–18.20 Session B4: Transmission Lines and Equipment
Chairperson: Balázs Torda – E.ON Hungária Zrt.

1. Cable vibration of medium voltage aerial cables and its impact
Tamás Bíró, Kálmán Szügyi, János Csató - Villamosipari ISONET Kft. (Electricity ISONET Company)
2. Development and manufacturing of multi-stranded wires with reduced corona discharge at FUX Zrt
Dr. István Barkóczy, Dr. Ottó Güntner, Rudolf Kállai – FUX Zrt.
3. Development of an innovative utility pole superstructure for avoiding large interruptions
Dr. László Varga - VEIKI-VNL Kft., Csaba Kocsis, Tamás B. Varga - E.ON Észak-dunántúli Áramhálózati Zrt. (North Transdanubia Power Supply Company), Dr. Ottó Güntner, Dr. Lajos Sági
4. An efficient method for renewing the documentation of high voltage transmission lines in practice
József Bilik – LINEA-B.S. Mérnöki Iroda Kft. (Engineering Office Company)

19.00 Dinner

8.00–10.00 Session A5: Renewable Energy
Chairperson: Attila Dervarics – president, MEE

1. Photoelectric mini power plants using ABB technology
István Darvas – ABB Kft.
2. Renewable energy sources in the area of ELMŰ-ÉMÁSZ
László Péntes ELMŰ Hálózati Elosztó Kft. (Grid Distribution Company)
3. Maintainable development means development that satisfies the needs of the present without endangering the ability of future generations to also satisfy their needs
Zoltán Hörömpő - EDF DÉMÁSZ Elosztó Kft. (Distribution Company)
4. Questions related to the inverters of systems providing renewable electricity (PV, wind, etc.) and testing their compliance with standards
Miklós Szentpály - TÜV-Rheinland
5. Small biogas cogeneration power plant design, licensing, and project management
Béla Ottó Anger – EDF Démász Zrt.

8.00–10.00 Session B5: Development Implemented
Chairperson: Gábor Kovács – E.ON Dél-dunántúli Áramhálózati ZRt. (South Transdanubia Power Grid Company)

1. Power supply of the Kecskemét Daimler 132/22 (120/20) kV substation
József Braun - EDF Démász ZRt, Csaba Fodor - ELINOR Mérnökiroda Kft. (Engineering Office Company), Lajos Kovács - Infoplan Kft.
2. Implementation of the Kisigmánd wind farm from the designer's perspective
Sándor Maczkó - ETV-ERŐTERV ZRt.
3. Investor expectations and practical solution - Kisigmánd Iberdrola Wind Farm substation upgrade
László Papp – GA Magyarország Kft.
4. Description of symmetrisation and compensation tasks for medium voltage stations, as well as of new protection against ground short circuits
Ferenc Radvánszky – PROTECTA Kft.
5. KERKA micro station development concept and operating experiences
Imre Veisz - E.ON Hungária Zrt.

10.00 – 10.30 Coffee Break

10.30 – 13.00 Closing Plenary Session
Chairperson: András Kovács – secretary general, MEE

- 10.30 – 10.55 From integrated grid records to efficient asset management.
Dr. István Cseke, Tamás Szécsy - Geometria Kft.
- 10.55 – 11:20 Training and further training of engineers, authorization - tasks of the Chamber of Engineers
Dr. Fodor István - VILODENT Kft.
- 11:20 – 11:45 Hungarian development success story: A new age in public lighting: LED public lighting fixtures in Lipótváros and on the Corvin sétány
Ferenc Esztergomi - HOFEKA Kft.
- 11.45 – 12.10 High and medium voltage FAM test course for researchers, trainers, and demonstrators at the BME High Voltage Laboratory
Bálint Németh, Richárd Cselkó - BME
- 12.10 – 12:30 A presentation on technical history
GA Magyarország Kft.
- 12.30 – 12:40 Summary and closing remarks
Attila Dervarics, president, MEE
- 12:40 Awarding of the conference cup
Handed over by: *Lajos Gelecsér, E.ON Dél-dunántúli Áramhálózati ZRt. (South Transdanubia Power Grid Company), chairperson, Board of Directors*
Received by: *EDF DÉMÁSZ Zrt.*

13.00 Lunch

We reserve the right for changes in the programme.

Please note that interpreting is only provided on the first day – on Wednesday – in the English and Hungarian languages.