

11-12 EKİM 2023

KONFERANS PROGRAMI



ELEKTRİKLİ MAKİNALAR
VE GÜÇ ELEKTRONİĞİ



ELEKTRİK
İLETİMİ



OTOMASYON VE KONTROL

ELEKTRİK
ÜRETİMİ



ENERJİ
DÖNÜŞÜMÜ



DAĞITIM SİSTEMLERİ VE
AKILLI ŞEBEKELER



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SCAN ME

08.30-10.00	KAYIT	
	HALL-1	ARTEMIS-1 HALL
10.00 - 10.45	Açılış Konuşmaları Zafer Benli SEERC Dönem Başkanı Philippe Adam CIGRE Genel Sekreteri Dr. Alparслан Bayraktar Türkiye Cumhuriyeti Enerji ve Tabii Kaynaklar Bakanı	
10.45 - 11.00	SEERC Dönem Başkanlığı Bosna-Hersek Devir Teslim Töreni	
11.00 - 11.45	KAHVE MOLASI	
11.45-12.15	Ana Konuşmacı Eleni Charpantidou – ENTSO-E Yönetim Kurulu Üyesi Serhat Metin – Med-TSO Başkan Yardımcısı	
12.15-12.25	Ana Sponsor Konuşması  ASTOR® Hakan Ünsal – Astor Enerji A.Ş. Genel Müdürü	
12.25-13.30	ÖĞLE YEMEĞİ	
13.30 - 15.00	Türkiye’de Deprem ve Elektrik Sistemine Etkileri Başkan: Muhammer Nuri Aslan Genel Müdür Yardımcısı (TEİAŞ) Konuşmacılar: Ahmet Suat Üstün – Genel Müdür Yardımcısı (EÜAŞ) Ömer Baydilli – İşletme Bakım Daire Başkanı (TEİAŞ) Lale Yılmaz – Kurumsal İletişim Koordinatörü (ELDER) Özgün Ersoyoğlu – Dağıtım Operasyonları Bölge Müdürü (TOROSLAR EDAŞ)	
15.00 – 15.30	KAHVE MOLASI	



HALL-1	HALL-2	ARTEMIS-1	ARTEMIS-2	ARTEMIS-3
<p>EURELECTRIC OTURUM (15.30-16.15)</p> <p>“Karbonsuzlaştırma Yol Haritası – Avrupa’da 2050 Karbonsuzlaştırma Hedeflerine Ulaşmak”</p> <p><i>Clillian O’Donoghue Eurelectric Politika Direktörü</i></p> <p>CIGRE ÇALIŞMA GRUBU C1-45 SUNUMU (16.15-17.30)</p> <p>Yeni bağlantılar için metrik fayda-maliyet analizi</p> <p><i>Pierluigi Vicini ÇG C1-45 Başkanı Fabio D’Agostino ÇG C1-45 Sekreteri</i></p>	<p>DAĞITIM SİSTEMLERİ VE AKILLI ŞEBEKELER</p> <p><i>Hırvatistan – Goran Spilac (Başkan) Slovenya – Uros Kerin (Başkan Yardımcısı)</i></p> <p>ID: 132</p> <p>Estimation of Georgian Power System flexibility and adequacy</p> <p><i>Archil Kokhtashvili</i></p> <p>ID: 133</p> <p>A clustering and benchmarking based monthly electricity consumption analysis for creating energy efficiency insights for the utility end-users</p> <p><i>Hakan Demirel</i></p> <p>ID: 143</p> <p>The feasibility of frequency stabilization using battery energy storage system (BESS) in 400 kV power systems</p> <p><i>Ergin Kayar</i></p> <p>ID: 153</p> <p>Distribution management system (DMS) integration in distribution network of Kosovo</p> <p><i>Turan Kocabayraktar</i></p> <p>ID: 156</p> <p>Challenges of protection system of Kosovo Distribution Network</p> <p><i>Nezir Nezirli</i></p> <p>ID: 170</p> <p>Integration of solar power plants in distribution network - examples from Bosnia and Herzegovina</p> <p><i>Seila Gruhonjic Ferhatbegovic</i></p>	<p>ELEKTRİK İLETİMİ</p> <p><i>Avusturya – Klemens Reich (Başkan) Yunanistan – Dionysios Stamatidis (Başkan Başkan Yardımcısı)</i></p> <p>ID: 90</p> <p>Transmission capacity maximization using dynamic thermal rating in Croatian Power System</p> <p><i>Zoran Bunec</i></p> <p>ID: 101</p> <p>Impact of the hydrological risk on the power grid: a case study on a portion of the Italian Transmission Power System exposed to the hazard of flooding</p> <p><i>Silverio Casulli</i></p> <p>ID: 125</p> <p>Fault detection in power transmission lines with artificial intelligence</p> <p><i>Büşra Töre</i></p> <p>ID: 126</p> <p>FACTS for improved controllability of high voltage power transmission network in Georgia</p> <p><i>Teona Elizarashvili</i></p> <p>ID: 129</p> <p>Challenges and opportunities for multipurpose interconnectors and wind off-shore generation</p> <p><i>Arman Derviskadic</i></p> <p>ID: 161</p> <p>Comparative performance analysis of network reduction on the transmission expansion planning</p> <p><i>Ahmet Ova</i></p>	<p>POSTER SUNUMLAR</p> <p>ELEKTRİK MAKİNELER VE GÜÇ ELEKTRONİĞİ/ENERJİ DÖNÜŞÜMÜ</p> <p><i>Türkiye – Mikail Pürtü (Başkan)</i></p> <p>(15.30-16.15)</p> <p>ID: 106</p> <p>Short circuit analytical prediction for transformer winding</p> <p><i>Mattia Medini</i></p> <p>ID: 118</p> <p>Optical current transformers</p> <p><i>Melis Aliefendioğlu</i></p> <p>ID: 157</p> <p>Instrument Transformers using alternative and eco-friendly high voltage insulation systems</p> <p><i>Umut Babur Elik</i></p> <p>ID: 160</p> <p>Reliability analysis and condition monitoring of power transformers from the Romanian Power Grid</p> <p><i>Bogdan Lev</i></p> <p>(16.15-17.00)</p> <p>ID: 171</p> <p>Reliability of transformers</p> <p><i>Anatoly Shkolnik</i></p> <p>ID: 162</p> <p>Protection and metering solutions for transmission tie lines in the Romanian power systems</p> <p><i>Julia Cristina Constantin</i></p> <p>ID: 225</p> <p>Algorithm for calculation of line distance protection settings</p> <p><i>Vladimer Popkhadze</i></p> <p>ID: 112</p> <p>Insuring power system reliability under high renewables penetration with energy storages - a case for Ukraine</p> <p><i>Sergii Shulzhenko</i></p>	<p>ÖZEL OTURUM</p> <p></p> <p>(15.30-16.30)</p> <p>Overcoming challenges in DGA monitoring through innovative solutions</p> <p><i>Elieel Kouvalainen</i></p> <p>(16.30-17.30)</p> <p>Testing Protection Relays with Superimposed-Quantities and Traveling-Wave based Elements</p> <p><i>Thomas Hensler</i></p>

HALL-1
ELEKTRİK İLETİMİ

Türkiye – Deniz Çoşkun – TEİAŞ (Başkan)
Kosova – Kadri Kadriu (Başkan Yardımcısı)

ID: 95

Classification of power quality events in the transmission grid: comparative evaluation of different machine learning models

Umut Güvengir

ID: 191

Strategic positioning of transmission system operators to achieve long-term goals and sustainability of the green transition - Analysis and case study

Igor Ivankovic

ID: 192

An innovative solution for reducing EMFs: the “5-phases” pylons

Maria Rosaria Guarniere

ID: 195

A compact 24-pulses converter for overhead lines de-icing and reactive power compensation

Roberto Spezie

ID: 193

An innovative OHL design for renewable energy harvesting and transmission: the “5-phases” pylons

Maria Rosaria Guarniere

HALL-2
DAĞITIM SİSTEMLERİ VE AKILLI ŞEBEKELER

Yunanistan – Emmanouil Voumvoulakis (Başkan)
Kosova – Avni Alidemaj (Başkan Yardımcısı)

ID: 172

Imputation and forecasting of energy consumption data collected by smart meters using big data technologies in the distribution system operator

Andrej Samrak

ID: 181

Low voltage direct current distribution roadmap of Türkiye

Deniz Kartal

ID: 187

Analysis of loads during the summer-winter season in Substation (SS) 35/10 kV Gijilani I

Elvona Aliju

ID: 205

Under-frequency load shedding based on Huang’s Empirical Model Decomposition approach for estimation of df/dt and artificial neural networks

Maja Muftić Dedović

ID: 221

The impact of renewable resources on the improvement of frequency and voltage value in the distribution network of Kosovo

Avni Alidemaj

ARTEMIS-1
SPONSOR OTURUMU

Prysmian
Group

(10.15 – 10.55)

Kayıpların azaltılması ve havai iletkenin kapasitesinin artırılması - Şebekede Sürdürülebilirlik
Vitthal Sawant

(10.55 – 11.15)

Kablo Üretimi / Tahmine Dayalı Kalite ve Bakım için Büyük Veri ve Yapay Zeka Kullanımı
Erdoğan Yüksel

ARTEMIS-2
POSTER SUNUMLAR

DAĞITIM SİSTEMLERİ VE AKILLI ŞEBEKELER/ENERJİ DÖNÜŞÜMÜ

Türkiye – Mikail Pürül (Başkan)
(09.30 – 10.15)

ID: 131

Smart metering benefits for costumers and distribution system
Hammijete Qorolli

ID: 138

The impact of wind park plants on mitigation of energy crisis (2022) in Kosovo’s Power System
Rexhep Selimi

ID: 176

Prevention of high voltage network disturbance propagation by on-line monitoring and diagnostic of relay protection
Janez Zakonjšek

ID: 186

A novel method for short circuit calculation
Giorgi Arziani

(10.15-11.00)

ID: 189

An innovative metric for evaluating operational resilience of the high-voltage grid
Chiara Vergine

ID: 190

Smart grid project GreenSwitch
Goran Levacic

ID: 233

The caterpillar and the butterfly the experience of Italian engineering
M. Celozzi

ID: 109

Optimization module and auction mechanism for trading of guarantees of origin
Milan Josifovic

ARTEMIS-3
SPONSOR OTURUMU

ASTOR®

(09.30-10.30)

Güç Sistemlerinin Sessiz Oyuncusu: Kaçak Reaktansının Transformatörler Üzerindeki Etkisi
Dr. Kamran Dawood



Maschinenfabrik Reinhausen GmbH
Germany

(10.45-11.15)

The innovative future-oriented pioneer of on-load tap-changers ECOTAP®VI
Günter Panzer

HALL-1	HALL-2	ARTEMIS-1	ARTEMIS-2	ARTEMIS-3
<p>OTOMASYON VE KONTROL <i>Sırbistan – Ninel Cukalevski (Başkan)</i></p> <p><i>Türkiye – Benan Başoğlu (Başkan Yardımcısı)</i></p> <p>-----</p> <p>ID: 86</p> <p>Dynamic tariffs and smart electric vehicle charging infrastructure <i>Andreja Ivartnik Kanduc</i></p> <p>-----</p> <p>ID: 100</p> <p>Application for optimization of capacity reserve trading auctions <i>Goran Jakupovi</i></p> <p>-----</p> <p>ID: 108</p> <p>Autonomous mobile robot for warehouse logistics <i>Şeyma Tuğba Ayrancıoğlu</i></p> <p>-----</p> <p>ID: 110</p> <p>Central dispatching and generation control system for Electric Power Industry of Serbia <i>Goran Jakupovic</i></p> <p>-----</p> <p>ID: 111</p> <p>Emerging problems in system operator training and possible training simulator solutions <i>Ninel Cukalevski</i></p> <p>-----</p> <p>ID: 124</p> <p>The system split and blackout detection application <i>Igor Bundalo</i></p>	<p>ELEKTRİKLİ MAKİNELER VE GÜÇ ELEKTRONİĞİ/ ELEKTRİK İLETİMİ <i>Gürcistan – Giorgi Amuzashvili (Başkan)</i></p> <p><i>Türkiye – Kerem Köseoğlu (Başkan Yardımcısı)</i></p> <p>-----</p> <p>ID: 174</p> <p>Impact of renewable generation on distance protection and adaptive algorithms to optimise performance <i>Rajesh Ananth</i></p> <p>-----</p> <p>ID: 178</p> <p>Analysing electromagnetic and thermal effects of using aluminium shield and magnetic shunt combinations at high-voltage level autotransformers <i>Necmettin Mert Koçanalı</i></p> <p>-----</p> <p>ID:197</p> <p>A modular design for OHL grounding systems based on deep electrodes <i>Maria Rosaria Guarniere</i></p> <p>-----</p> <p>ID: 210</p> <p>Adriatic Corridor: A step towards deployment of Italian multiterminal HVDC systems <i>Enrico Maria Carlini</i></p> <p>-----</p> <p>ID: 213</p> <p>Hybrid high voltage AC and DC system strength evaluation with large penetration of renewable energy sources <i>Enrico Maria Carlini</i></p>	<p>WIE OTURUMU ENERJİ SEKTÖRÜNÜ BELECEĞİNDE KADININ ROLÜ <i>Kosova – Pranvera Dobruna Kryeziu (Başkan)</i></p> <p>-----</p> <p><i>Philippe Adam</i> <i>Karolin Ersöz</i> <i>Teona Eltzarashvili</i></p> <p>-----</p> <p>GENÇ KADINLARIN PERSPEKTİFİNDE ENERJİ SEKTÖRÜ <i>Türkiye – Hayriye Gürbüz (Başkan)</i></p> <p>12.30-13.00</p> <p>-----</p> <p><i>Beril Bulut</i> <i>Özlem Taşçı</i> <i>Sonnur Erdem</i></p>	<p>POSTER SUNUMLAR OTOMASYON VE KONTROL / ENERJİ DÖNÜŞÜMÜ <i>Türkiye – Burak Esenboğa (Başkan)</i></p> <p>(11.30-12.15)</p> <p>-----</p> <p>ID: 105</p> <p>Electricity tampering detection system project <i>Muna Saleh Al Jabri</i></p> <p>-----</p> <p>ID: 116</p> <p>ADMS for planning and der control in distribution network <i>Boris Njavro</i></p> <p>-----</p> <p>ID: 122</p> <p>Power Quality System within Romanian TSO <i>Ciprian Diaconu</i></p> <p>-----</p> <p>ID: 147</p> <p>Monitoring and management of ambient conditions of the electrical grid with sensor network system <i>Büşra Töre</i></p> <p>-----</p> <p>(12.15-13.00)</p> <p>-----</p> <p>ID: 169</p> <p>Digitization of DSO business processes based on the agnostic relational model of process flows on the example of Public Enterprise Electric Utility of Bosnia and Herzegovina <i>Jasmin Heljić</i></p> <p>-----</p> <p>ID: 207</p> <p>The concept of Ukraine's power system development taking into account the impact of the pumped-storage power plant in modern conditions <i>Oleksandr Ryabenko</i></p> <p>-----</p> <p>ID: 214</p> <p>The role of PSPP in the implementation of strategy of accelerated development of RES in the countries of South-Eastern Europe <i>Yuriy Landau</i></p> <p>-----</p> <p>ID: 229</p> <p>The implementation of intraday auctions and its impact on the Croatian Electricity Market <i>Martina Vajdić</i></p>	<p>SPONSOR OTURUMU</p> <p>ENPAY Transformer Components (11.30 – 12.15) Sustainability in the supply of transformer components <i>Emrah Yürekten</i> <i>Gülsün Alkan Çotak</i></p> <p>MİTAŞ ENERGY (12.15-13.00) Mitaş'ın Enerji İletim Hatları Endüstrisi ve Taahhüt Projelerinde Sürdürülebilirlik <i>Ahmet Acet</i> <i>Neşri Murat Bingöl</i> <i>Osman Fakaoğlu</i></p>

HALL-1	HALL-2	ARTEMIS-1	ARTEMIS-2	ARTEMIS-3
<p>OTOMASYON VE KONTROL <i>İtalya – Massimo Pompili (Başkan)</i> <i>Yunanistan – Dionysios Stamatiadis (Başkan Yardımcısı)</i></p> <p>ID: 128 Automatic generation control working scheme in Georgia, under the liberalized energy market <i>Mikheil Odisharia</i></p> <p>ID: 134 A dynamic thermal rating architecture for thermal monitoring and congestion management in the Italian Grid <i>Enrico Maria Carlini</i></p> <p>ID: 136 Challenges and the role of the dispatch center in the management and control of the power transmission system – a summary analysis <i>Vezir Rexhepi</i></p> <p>ID: 155 The relationships between concentrations of particulate matter (PM2.5 and PM10) and meteorological parameters in the Sarajevo Canton: seasonal variations <i>Sabina Dacic Lepara</i></p> <p>ID: 173 The impact of interconnection line synchronization on power system dynamic stability <i>Giorgi Erikashvili</i></p> <p>ID: 180 Investigation of the effect of batteries on frequency control in power system <i>Muhammet Furkan Yilmaz</i></p>	<p>ELEKTRİKLİ MAKİNELER VE GÜÇ ELEKTRONİĞİ <i>Türkiye – Tuğçe Demirdelen (Başkan)</i> <i>Gürcistan – Giorgi Amuzashvili (Başkan Yardımcısı)</i></p> <p>ID: 87 Determination of the L-location of partial discharges in the power transformer model using UHF sensors <i>Djordje Radmila Dukanac</i></p> <p>ID: 98 Pressboard barriers in smart connection systems for high voltage power transformers <i>Hakan Coşer</i></p> <p>ID: 102 Istanbul: City centre infeed with voltage source converter-based HVDC <i>Arman Derviskadic</i></p> <p>ID: 107 Coupled numerical electromagnetic-structural simulation for transformer winding <i>Mattia Medini</i></p> <p>ID: 152 Current transformers dimensioning in the context of digital substations <i>Anamaria Iamandi</i></p>	<p>GELECEK NESİL AĞI'NIN KAZANDIRDIKLARI <i>Türkiye – Ahmet Korum Köseoğlu (Başkan)</i> <i>Drenusha Gashi Bogdan Lev Michael Schrammel</i></p>	<p>SPONSOR OTURUMU</p> <p>PSCAD</p> <p>LEAN POWER</p> <p>(14.00-14.45) KAZANIMLAR: EMT ÇALIŞMALARINDAN TSO DENEYİMLERİ <i>Türkiye – Gökhan Önal (Başkan)</i> <i>Ümit Çetinkaya Yahya Mrabti Öner Alican</i></p> <p>ŞA-RA GROUP</p> <p>(15.00-15.45) İletim hattı direklerinde: Yükleme tipi testi, tasarım ve gerininim ölçer korelasyonuna genel bakış <i>Selahattin Selçuk Çıplak Yılmaz Erdiñç Saçılık</i></p>	
14.00 – 15.45				
15.45 – 16.00	KAHVE MOLASI			



	HALL-1	HALL-2	ARTEMIS-1	ARTEMIS-2	ARTEMIS-3
	<p>OTOMASYON VE KONTROL / ELEKTRİK İLETİMİ <i>Slovenya – Kresemir Bakic (Başkan)</i> <i>Türkiye – Tuğçe Demirdelen (Başkan Yardımcısı)</i></p> <p>ID: 198 Development of energy monitoring system for sustainable production in the textile industry <i>Duygu Durdu Koç</i></p> <p>ID: 217 The first lessons from rocket attacks on Ukrainian power system relative power unit's automation and control systems <i>Oleg Agamalov</i></p> <p>ID: 218 Hypergrid: coordination and control of different HVDC link <i>Enrico Maria Carlini</i></p> <p>ID: 234 Geopolitics impact on electrical grids during energy transition <i>Massimo Rebolini</i></p> <p>ID: 166 Short-term solar radiation prediction based on artificial neural network for Çukurova Region <i>Burak Esenboğa</i></p>	<p>DAĞITIM SİSTEMLERİ VE AKILLI ŞEBEKELER <i>Türkiye – Belgin Emre (Başkan)</i> <i>Romanya – Ciprian Diaconu (Başkan Yardımcısı)</i></p> <p>ID: 88 Effective lightning mitigation method on unshielded distribution line by using high charge ratings Externally Gapped Line Arresters (EGLA) <i>Ertuğrul Partal</i></p> <p>ID: 99 An AI-based scalable and integrated monitoring system for the electrical grid <i>Umut Güvengir</i></p> <p>ID: 120 Implementation of artificial neural networks in conductor tension calculations <i>Ömer Burak Yücel</i></p> <p>ID: 127 Electrical extensive analysis of the power network in the presence of the air core reactor FCL in the phase and neutral positions <i>Hamed VasheghaniFarahani</i></p> <p>ID: 130 Impacts of variable renewable energy on new wholesale market in Georgia <i>Giorgi Khorbaladze</i></p>	<p>SPONSOR OTURUMU</p> <p>EPIAŞ (17.00-17.15) Rekabetçi enerji piyasalarında şeffaflık ve EPIAŞ Şeffaflık Platformu <i>Ömer Kırcaalar</i></p> <p>TESPAM (17.15-17.30) SEE için uzun dönemli gaz politikaları ve Türkiye'nin güçlenen pozisyonu <i>Öğuzhan Akyener</i></p>		
16.00-17.30					
17.30-18.00	<p>Kapanış Oturumu Dönem Projesi : Özet "Güneydoğu Avrupa Bölgesi Elektrik Enerjisi Görünümü: Üretim, Tüketim ve Yenilenebilir Enerji" <i>Tuğçe Demirdelen (SEERC Teknik Danışma Kurulu Başkanı)</i></p> <p>Kapanış <i>Ayten Sümer (CIGRE Türkiye Ulusal Komitesi Genel Sekreteri) - Erkan Alan (SEERC Sekreteri)</i></p>				



4. SEERC KONFERANSI İSTANBUL

11-12
EKİM 2023

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DESTEKLEYEN STK'LAR

