

## 2021 3rd Global Power, Energy and Communication Conference (GPECOM2021)

5-8 Ekim 2021 Tarihleri arasında Nevşehir Hacı Bektaş Veli Üniversitesi ev sahipliğinde düzenlenen 2021 3rd Global Power, Energy and Communication Conference (GPECOM2021) konferansında sunulan bildiriler, ülkelere göre dağılım oranları ve Türkiye'den katılımcı oranları

#	Başlık	Yazarlar	Karar	Sunuldu mu?	Sunucunun Ülkesi
	<b>Tutorial:</b> Novel Actuators for Tackling the Challenges of Energy Transformation	Arda Tuysuz		EVET	Almanya
	<b>Tutorial:</b> Offshore Wind-farm Technologies and Configurations	Gökhan Önal		EVET	Türkiye
	<b>Tutorial:</b> Digital Twin technology applied to testing of power system protection relays	Andrea Bonetti		EVET	İsveç
	<b>Tutorial:</b> Renewable Energy Management Systems	Amer Al-Hinai		EVET	Umman
	<b>Tutorial :</b> Reconfigurable Intelligent Surfaces for 6G Systems: Opportunities, Challenges, and Future Directions	Lina Mohjazi		EVET	Birleşik Krallık
	<b>Tutorial :</b> Ensuring Secure and Reliable Protection Schemes Using Real Time Digital Simulation	Paul Forsyth		EVET	Kanada
	<b>Keynote:</b> Assessing the Scalability and Privacy Issues of an Extreme-Scale Distributed Parallel Optimization for Energy Communities with P2P Energy Exchanges and Flexible Services	Pierluigi Siano		EVET	İtalya
	<b>Keynote:</b> Trends and Challenges in Electrification of Transportation Propulsion Systems	Patrick Wheeler		EVET	Birleşik Krallık
	<b>Keynote:</b> Power System Integration of Gridable and Green Transportation Systems: An Operational Point-of View	Ozan Erdinc		EVET	Türkiye
	<b>Keynote:</b> Secure and Reliable Communications in the Era of Satellite Mega-Constellations	Gunes Karabulut Kurt		EVET	Kanada
	<b>Keynote:</b> Frequency Control and Security in Modern Power Systems: Challenges and Opportunities	Hassan Haes Alhelou		EVET	İrlanda
	<b>Keynote:</b> AI-enabled Energy Trading for Microgrids and Transactive Energy Systems	Melike Erol-Kantarci		EVET	Kanada
	<b>Keynote:</b> Trends and Challenges in Power Converters and Control	Muhammad Rashid		EVET	USA
1	Analytical Channel Modelling of Synchronisor Communication Networks in a Smart Grid Cyber Physical System	Amit Jha, Bhargav Appasani, Abu Nasar Ghazali	KABUL	EVET	Hindistan
8	Optimal siting and sizing of the Distributed Generation units to reduce power loss and improve the voltage profile by using an improved Chaotic Particle Swarm Optimization	Meriem M'dioud, Rachid Bannari, El kafazi Ismail	KABUL	EVET	Fas
9	Application of Precision Voltmeter for Assuring Traceable Measurement of Power Quality	Valentyn Isaiev, Svitlana Isaieva	KABUL	EVET	Ukrayna
11	Towards Secure Traffic Signaling in Smart Grids	Vincent O. Nyangaresi, Saeed Hamood Alsamhi	KABUL	EVET	Kenya
12	Certificate Based Authentication Scheme for Smart Homes	Vincent O. Nyangaresi, Sunday Oyinlola Ogundoyin	KABUL	EVET	Kenya
14	A Novel Hysteresis Based Direct Torque Control for Wound Rotor Synchronous Machine with Reduced Flux and Torque Ripples	Md Touhiduzzaman Rony, Rajesh Saiju	KABUL	HAYIR	Almanya
18	A Method for DC Arc Fault Detection, Classification and Mitigation in Electric Vehicles	Yibo Liu, Jonathan Swingler, David Flynn	KABUL	EVET	Birleşik Krallık
21	A Low-Cost In-Line Encryption System for SCADA Applications	Asila Al-Busaidi, Arwa Al-Kindi, Dawood Al-Abri	KABUL	EVET	Umman
23	Comparison of GaN-Fet Based High Speed Motor Drive Systems	Cenk Kilic, Gurkan KucBirleşik KrallıkYıldız, Erkan Mese	KABUL	EVET	Türkiye
25	A PMU-based state estimator for networks including classic HVDC links	George Korres, Orestis A Darmis, Georgios Karvelis	KABUL	EVET	Yunanistan
26	Model-Free Simplified Predictive Current Control of PMSM Drive with Ultra-Local Model-Based EKF	Emrah Zerdali, Patrick Wheeler	KABUL	EVET	Türkiye
29	Short-Term Wind Speed and Temperature Forecasting Model Based on Gated Recurrent Unit Neural Networks	Fahad Radhi Alharbi, Denes Csala	KABUL	EVET	Birleşik Krallık
30	Day-Ahead Solar Power Forecasting with Pattern Analysis and State Transition	Yi-Liang Hu	KABUL	EVET	Taiwan
31	Optimum Heatsink Selection of Chip on Film	AybBirleşik Krallık Bilir, Ugur Emre Dogru, Zulal Tosunoglu, Cansu İçöz, Hüseyin İçmen	KABUL	EVET	Türkiye
34	FEM Aided Cycles to Failure Analysis of Semiconductors for Pulsed Power Applications	Ahmet H Sabırlı, İbrahim Güngen, Emre Durna	KABUL	EVET	Türkiye
37	A proposed multi-agent based platform for monitoring and control of Active Power Distribution Systems	Ionut-Adrian I Cojoaca, Constantin Bulac, Claudiu-Ionuț Popirlean	KABUL	EVET	Romanya
38	Performance Analyses of Hybrid-ARQ in Fifth Generation New Radio	Ural MUTLU, Yasin KABALCI	KABUL	EVET	Türkiye
39	Modulated Model Predictive Control of Permanent Magnet Synchronous Motors with Improved Steady-State Performance	Mikail Koc, Mustafa Gokdag, Ozan Gulbudak, Ugur UfBirleşik Krallık Korpe	KABUL	EVET	Türkiye
48	Modeling and Simulation of Three-Phase Bidirectional Electric Vehicle Charger	Gorkem Berk Sahinler, Gokturk Poyrazoglu	KABUL	EVET	Türkiye
49	Real-Time Remote Sensorless Control of PMSM Using Embedded System and Webserver	Marcel NICOLA, Claudiu-Ionel NICOLA	KABUL	EVET	Romanya
50	Real-Time Implementation of the PMSM Multi-Motors Sensorless Control System	Marcel NICOLA, Claudiu-Ionel NICOLA	KABUL	EVET	Romanya
55	Motor Starting Direct-on-line: Performance Analysis in ATP and MATLAB/SIMULINK Environments	Pedro Camargos, Fausto E. N. Campos, Benedito I. L. Fuly	KABUL	EVET	Brezilya
56	Magnetic Resonance Coupled Wireless Power Transfer Analysis For Electric Vehicle	Minhazur Rahman, Fariha Rahman, A.H.M Rasheduzzaman, Md. Fahim Shahriyar, M Tanseer Ali	KABUL	EVET	Bangladeş
58	Use of IEC 61850 to increase the security of the protection system	Andrea Bonetti, Hongliang Zhu, Nikolay Ignatovski	KABUL	EVET	İsveç İsviçre
60	Maximum Power Transfer of Wireless Charging System Using a Data-Based Approach	Balaji Sriram, Sanjeevikumar Padmanaban, Vidhya Sagar Devendran, Pratyasha Das, Sharmeela C, Elango S Sundaram	KABUL	EVET	Hindistan
62	Optimal Vehicle-to-grid Controller for Energy Arbitrage and Frequency Regulation Markets	Baki Kocer, Ismail Turkyilmaz, Gokturk Poyrazoglu	KABUL	EVET	Türkiye

63	Digital Average Current Mode Controller Design for a DCM Output Inductor-less Phase-Shifted Full-Bridge DC/DC Converter	Muhammed Yusuf Candan, Halil Kavak, Emre Durna	KABUL	EVET	Türkiye
65	Design of Model Predictive Controller for Current Control of ANPC Inverter	Aydin Boyar, Ersan Kabalci	KABUL	EVET	Türkiye
66	Digital twin technology for virtual testing of power system relay protection	Andrea Bonetti, Cédric Harispuru, Marius Pitzer, Mark Pustejovsky, Niclas Wetterstrand, Simone Kachelrieß	KABUL	EVET	İsveç Almanya
67	Experimental Comparison of GaN-Fet Based Motor Drives For High Switching Frequencies	Cenk Kılıç, Gurkan KucBirleşik KrallıkYıldız, Erkan Mese	KABUL	EVET	Türkiye
69	Formal Verification of Single Dual Setting Overcurrent Directional Relay Based Line Protection Logic for Smart Grids	Sobia Ashraf, Ibrahim Evkay, Osman Hasan, Uğur S Selamoğulları, Mustafa BAYSAL	KABUL	EVET	Türkiye
70	Enhanced islanding detection in smart interface protection systems of distributed generation	Giovanni Artale, Giuseppe Caravello, Antonio Cataliotti, Valentina Cosentino, Vito Ditta, Di Cara Dario, Salvatore Guaiana, Nicola Panzavecchia, Tine Giovanni	KABUL	EVET	İtalya
71	Model-based system engineering design of a versatile control test bench of an electric vehicle's powertrain for educational purpose	Hicham EL HADRAOUI, Chebak Ahmed, Zegrari Mourad	KABUL	EVET	Fas
72	Design of an oil immersed power transformer monitoring and self diagnostic system integrated in Smart Energy Management System	Oussama Laayati, Mostafa Bouzi, Ahmed Chebak	KABUL	EVET	Fas
74	Simulation and Design of a Sensorless FOC Driver of PMSM used in Compressors	Tolga Odabaşı, Alper Tap, Lale T. Ergene	KABUL	EVET	Türkiye
75	Battery Energy Storage System for PMSG based Small Scale Wind Energy Conversion System	Ayşe Nur Köklü, Abdullah Polat, Lale T. Ergene	KABUL	EVET	Türkiye
76	Rethinking Temporal Demand Data to Reduce Distribution Transformer Losses: A Case Study from a Turkish DSO	Semanur Sancar, Emin Kartci, Gokturk Poyrazoglu	KABUL	EVET	Türkiye
78	Torque Ripple Reduction for Low Pole Variable Flux Reluctance Machine	Hilmi Gurleyen	KABUL	EVET	Türkiye
79	Primary-Switched-Inductance Single-Ended Converter for E-Vehicles Applications	Amr Marey, Sagar Bhaskar Mahajan, Dhafar Almakhles, Sanjeevikumar Padmanaban	KABUL	EVET	Suudi Arabistan
80	Open-Phase Fault Tolerant Finite Control-Set Model Predictive Torque Control of IPMSM for Reduced Torque Ripple and MTPA Operation	Allan G de Castro, Gabriel Martins, Fabio Liani, Daniel de Castro, William Pereira, Geyverson de Paula, José Monteiro	KABUL	EVET	Brezilya
82	UV discharge lamp electronic ballast based on ISOS resonant converter with integrated transformer	Kaspars Kroics	KABUL	EVET	Letonya
87	Investigation of Polar Codes in Fifth Generation New Radio Control Channels	Ural MUTLU, Yasin KABALCI	KABUL	EVET	Türkiye
90	Sensorless Position and Speed Control of IPMSM with Sliding Mode Observer and Voltage Signal Injection	Ertugrul Ates, Burak Tekgun, Gunyaz Ablay	KABUL	EVET	Türkiye
91	Investigation of the Effects of Multi-Layer Winding Structures in Two Pole Synchronous Reluctance Machines	Didem Tektün, Muhammed Muhsin Cosdu, Burak Tekgun, İrfan Alan	KABUL	EVET	Türkiye
93	Dual-Channel Variable Flux Reluctance Generator Design for More Electric Aircraft	Hilmi Gurleyen	KABUL	EVET	Türkiye
97	ZF-Beamforming MIMO Systems Using Intelligent Reflecting Surface	Najoua ACHOURA, Ridha BOUALLEGUE	KABUL	HAYIR	Tunus
98	Design of an Energy Management System for AC/DC Microgrid	Ayberk Calpbiniçi, Erdal Irmak, Ersan Kabalci, Ramazan Bayindir	KABUL	EVET	Türkiye
99	Internet of Things Architecture for Intelligent Transportation Systems in a Smart City	Majid Moazzami, Niloufar Sheini-Shahvand, Ersan Kabalci, Hossein Shahinzadeh, Yasin KABALCI, Gevork B. Gharehpetian	KABUL	EVET	İran
100	High Voltage Power Line Carrier. Obsolete Technology or Inherent part of the Power Transmission Electrical Grid?	Anton Merkulov	KABUL	EVET	Kazakistan
101	Optimizing Solar Panel Tilt Using Machine Learning Techniques	Sakshi Kulkarni*, Kshitij Duraphe, Laveen Anilkumar Chandwani, Sakshi Jaiswal, Suhas Kakade, Rohan Kulkarni	KABUL	EVET	Hindistan
			<b>Türkiye'den Katılan Sunucu Sayısı</b>		<b>21</b>
			<b>Türkiye Dışından Katılan Sunucu Sayısı</b>		<b>29</b>
			<b>Toplam Sunucu Sayısı</b>		<b>50</b>
			<b>Türkiye Dışından Katılan Sunucuların Yüzde Oranı (%)</b>		<b>0,5800</b>
			<b>%</b>	<b>58,00</b>	