



31st Conference of CIGRE Greek National Committee

“ATHENS 2022”

24-25 November

Divani Acropolis Palace



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Secretariat:	K. Balta C. Siamidou

“Potential to increase the design fault level and enhance the distributed generation hosting capacity of the distribution network in Greece”, O. Schina, E. Nikitopoulou, S. Papathanassiou, A. Dratsas

“Power limitations set on renewable energy sources and storage facilities of the Greek Interconnected System”, A. Papakonstantinou, G. Psarros, K. Mariolis, E. Chatzistylianos, S. Papathanassiou

Q&A and Discussion

11.30-11.45 Coffee break

11.45-13.00 SESSION 2 - REGULATORY HARMONISATION AND DEVELOPMENT OF THE INTERNAL MARKET FOR ELECTRICITY

Chairmen: I. Margaris , D. Fourlaris

Invited speech “Developments in European Power System security structures”, Y. Kampouris

“A Methodology to Estimate the Reserve Capacity Needs in Balancing Markets: Targets and Challenges in modern operational environment”, Y. Kampouris, P. Mandolidis, G. Prionitis, B. Ziogas

“The cooperation of TSOs in the mediterranean towards the energy transition”, Ch. Pitas, Y. Kampouris

“Compliance monitoring of generators connected to the Hellenic Transmission System with the European Connection Codes”, B. Nomikos, N. Baladakis, M. Karystianos

Q&A and Discussion

13.00-14.30 Lunch break

14.30-16.00 SESSION 3 - POWER SYSTEM DEVELOPMENT

Chairmen: G. Georgatzis, M. Karystianos

Invited speech “Power System resilience”, A. Koronidis, G. Georgatzis, M. Champakis

“Operation of Modular Static Synchronous Series Compensators on the Greek Transmission System”, K. Plakas, C. Karavas, K. Krommydas, A. Kurashvili, G. Papaioannou, P. Xenos, D. Melissaris, C. Dikaikos, I. Moraitis

“Energization of the longest AC 150kV cable interconnection worldwide (Crete-Peloponnese)”, M. Karystianos, M Tsili, G. Tsourakis, J. Mantzaris

Thursday 24 November 2022

09:00-09:30 Registration

09:30-10:30 Plenary Session

Invited speech, “The green transition”, prof. A. Zervos

10.30-11.30 SESSION 1 - ENERGY TRANSITION AND CHALLENGES

Chairmen: Y. Kampouris, S. Papathanassiou

“Challenges in the operation of the electrical system on the horizon of 2030”, M. Karystianos, G. Tsourakis, K. Natoudi, J. Mantzaris, E. Kontaxi, M. Tsili, S. Aretha, M. Ntoukas, B. Banos, P. Mandolidis

"Calculation and optimization methodology of the impact of a Modular Static Synchronous Serier Compensator on the Harmonic Distortion of the System", C. Nikolakakos, Br. Johnston, D. Stamatiadis, P. Xenos, C. Marmaras

"Deep Water HVDC Interconnectors, with focus on ongoing Crete-Attica HVDC link", Ole Kristian Mysen, A. Tsitsimelis, A. Stamatelos

Q&A and Discussion

Friday 25 November 2022

9.15-10.30 SESSION 4 - POWER SYSTEM OPERATION

Chairmen: K. Vournas, A. Koronidis

"Laboratory configuration for Power System Monitoring using Phasor measurement units", O. Darmis, N. Marketos, G. Korres

"Online Monitoring Systems", S. Katemliadis, D. Makridou, E. Fylladitakis, A. Patsiotis

"An Augmented WAMPAC System Applied on the Greek Power Transmission System", K. Krommydas, C. Karavas, K. Plakas, D. Melissaris, C. Dikaiakos, I. Moraitis

"Impact of transmission level dynamic reactive power compensation on the detection of synchronous generators loss-of-field conditions", E. Zoumpre, V. Nikolaidis

Q&A and Discussion

10.30-11.30 SESSION 5 - NON-INTERCONNECTED ISLANDS

Chairmen: K. Kaousias, K. Papadopoulos

"Kythnos smart island: development of state estimation and fault location functionalities for the energy control center of Kythnos", T. Xygkis, O. Darmis, G. Karvelis, A. Dimeas, G. Korres, N. Hatziargyriou

"Enhanced SCADA capabilities of Wind Park management in non-interconnected islands", S. Kokkinelis, D. Koukoula, C. Pappas, K. Kaousias, A. Reppas, T. Patsaka

"The hybrid energy project «Naeras» of Ikaria island – technical challenges and solutions", A. Tsoumanis, S. Papathanasiou, K. Natsis

Q&A and Discussion

11.30-11.45

Coffee break

11.45-13.00 SESSION 6 - NEW TECHNOLOGIES IN DISTRIBUTION GRIDS

Chairmen: M. Champakis, N. Hatziargyriou

"Strengthening cyber security in electricity distribution networks: a critical priority and imperative need", D. Michalopoulos, G. Tsipopoulos, M. Champakis, D. Peppes

"Performance evaluation of grounding systems of medium voltage power distribution grids", E. Ellinas, C. Christodoulou, I. Gonos

"A holistic protection scheme for active distribution networks", A. Tsimtsios, V. Nikolaidis

"Adaptation to the challenges of climate change, through the hardening of distribution networks", A. Gialketsi, I. Alexandri, S. Stroumpoulis

Q&A and Discussion



13.00-14.45 CIGRE NEXT GENERATION SESSION - "Towards a clean energy transition"

14.45-15.00

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