

ERIGrid Workshop:

Advanced power system testing using Hardware in the Loop simulation

Friday 23rd November 2018, NTUA, Athens, Greece

Agenda

1) Presentations	
Central Library of NTUA	
9.00-9.15	Welcome and introduction to NTUA activities Prof. George Korres
9.15-9.40	CHIL and PHIL simulation: key features and applications Dr. Panos Kotsampopoulos
9.40-10.05	HIL testing of adaptive protection in distribution grids Vasilis Kleftakis
10.05-10.25	DER inverter development and testing using HIL simulation Athanasios Vasilakis
10.25-10.45	Coffee Break
10.45-11.10	Voltage control in distribution networks with high DER integration: HIL experiences Dr. Panos Kotsampopoulos
11.10-11.35	Islanding detection and seamless transition through operation modes in microgrids: HIL experiences Dr. Christina Papadimitriou
11.35-12.00	Distributed control applications using Virtual Power Plants Iasonas Kouveliotis-Lysikatos
12.00-13.00	Lunch break
2) Laboratory Session	
School of Electrical and Computer Engineering (old building), room 2.2.7	
13.00-15.30	<ul style="list-style-type: none"> • CHIL testing of DER inverter controls • PHIL testing of DER inverter anti-islanding protection • Combined Control-HIL and Power-HIL testing of coordinated voltage controller • HIL testing of adaptive protection system for distribution grids • Virtual Power Plant laboratory platform using Multi Agent Systems
Presenters: Dimitris Lagos, Vasilis Kleftakis, Iasonas Kouveliotis-Lysikatos	
15.30-15.45	Coffee Break
15.45 -16.15	Joint discussion room 2.2.29
End of the workshop	