

Conference Program

Monday, 07 October 2013	
08:30	Registration
	Opening Ceremony
09:15	Welcome coffee and Welcome notes <i>Chairperson: Prof. Ioannis Michaelides</i>
	<p>Mr. Nicos Anastasiades, <i>President of the Republic of Cyprus</i></p> <p>Mr. Constantinos Yiorkadjis, <i>Mayor of Nicosia</i></p> <p>Mr. George Shammass, <i>Chairman of Cyprus Energy Regulatory Authority</i></p> <p>Mr. Charalambos Tsouris, <i>Chairman of Board of Directors, Electricity Authority of Cyprus</i></p> <p>Prof. Costas Papanicolas, <i>President, Cyprus Institute</i></p> <p>Mr. Philios Zachariades, <i>Chairman of Cyprus Employers and Industrialists Federation</i></p> <p>Prof. Andreas Poullikkas, <i>Conference Chairman, American University of Sharjah and Electricity Authority of Cyprus</i></p>
10:20	Plenary session I (Cyprus's Energy Strategy - The views of Cyprus Political Parties)
	<i>Chairperson: Prof. Toula Onoufriou</i>
10:20	Mr. Averof Neophytou, <i>President, Democratic Rally of Cyprus</i>
10:35	Mr. Andros Kyprianou, <i>General Secretary of the Central Committee, Progressive Party for the Working People</i>
10:50	Mr. Angelos Votsis, <i>Member of Parliament, Democratic Party</i>
11:05	Mr. Pambis Christodoulides, <i>Member of Central Committee, Socialists Democratic Party</i>
11:20	Coffee Break
11:40	Plenary session II (Cyprus's Energy Strategy - The views of Cyprus Political Parties)
	<i>Chairperson: Prof. Christodoulos Christodoulou</i>
11:40	Mrs. Eleni Chrysostomou, <i>Press Officer, Cyprus Green Party</i>
11:55	Mr. Demetris Syllouris, <i>President, European Party Cyprus</i>
12:10	Mr. Alexandros Michaelides, <i>Press Officer, Citizens Alliance Party</i>
12:25	Lunch Break
13:30	<p>Keynote lecture</p> <p><i>Chairperson: Prof. George Karageorgis</i></p> <p style="text-align: center;">EAC planning for renewable energy sources generation</p> <p>Dr. Stelios Stylianou, <i>Electricity Authority of Cyprus, Cyprus</i></p>

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Monday, 07 October 2013	
14:00	Plenary session III
Special session: Energy policy and security aspects in Eastern Mediterranean <i>Chairpersons: Prof. Achilles Emilianides, Prof. Paris Fokaides</i>	
14:00	Energy securitization in the Eastern Mediterranean regional security complexes: The Turkey, Israel, and Cyprus triangle (Paper No. POEM13/168) <i>C. Adamides, O Christou (Cyprus)</i>
14:15	The Cypriot hydrocarbons and the European financial crisis (Paper No. POEM13/169) <i>C. Ioannou, A Emilianides (Cyprus)</i>
14:30	The feasibility and impact of the Turkish-Israeli “Rapprochement” on the geopolitics of the Eastern Mediterranean (Paper No. POEM13/170) <i>T. Tsakiris (Cyprus)</i>
14:45	Escapades at sea: sovereignty, legality and machismo in the Eastern Mediterranean (Paper No. POEM13/171) <i>C. Constantinou (Cyprus)</i>
15:00	Parameters of European energy policy framework related to the hydrocarbons exploration in Cyprus (Paper No. POEM13/173) <i>P. Fokaides (Cyprus)</i>
15:15	Coffee Break
15:45	Keynote lecture <i>Chairperson: Prof. Paris Fokaides</i> <p style="text-align: center;">Cyprus an attractive investment destination</p> <i>Marios Tannousis, Cyprus Investment Promotion Agency, Cyprus</i>
16:15	Technical sessions
Special session: The use of data for power system monitoring and control <i>Chairperson: Prof. Elias Kyriakides</i>	
16:15	From sensors and measurements, to data and applications in power systems (Paper No. POEM13/183) <i>I. Ciornei, P. Mavroeidis, G. Pieri, E. Kyriakides (Cyprus)</i>
16:30	A power system controlled islanding scheme for emergency control (Paper No. POEM13/184) <i>J. Quirós-Tortós, V. Terzija (United Kingdom)</i>
16:45	Measurement data aggregation in power systems – challenges and opportunities (Paper No. POEM13/185) <i>A. M. Dumitrescu, M. Calin, M. Albu (Romania)</i>
17:00	Application of synchronized measurement technology in the Cyprus power transmission system (Paper No. POEM13/151) <i>M. Asprou, Y. Yiasemi, E. Kyriakides, Y. Ioannou, A. Petousis, M. Michael, S. Stavrinou (Cyprus)</i>
17:15	Dynamic fault studies of an offshore four-terminal VSC-HVDC grid utilizing protection means through AC/DC circuit breakers (Paper No. POEM13/186) <i>M. Hadjikypris, V. Terzija (United Kingdom)</i>
Special session: Impacts of climate change on electricity needs in the Mediterranean <i>Chairperson: Prof. Manfred Lange</i>	
16:15	Anticipated impacts of climate change of electricity demand of Athens, Greece (Paper No. POEM13/174) <i>C. Giannakopoulos (Greece)</i>
16:30	Small scale thermal solar district units for Mediterranean communities - The STS-MED project (Paper No. POEM13/175) <i>N. Fylaktos (Cyprus)</i>
16:45	Climate change and expected enhanced urban heat-island effects (Paper No. POEM13/176) <i>P. Hadjinicolaou (Cyprus)</i>
17:00	Assessment of increasing electricity demand for space cooling under climate change condition in the Eastern Mediterranean (Paper No. POEM13/177) <i>M. Lange (Cyprus)</i>
17:15	A review of innovative measures to reduce energy consumption in the urban built environment (Paper No. POEM13/178) <i>M. Santamouris (Greece)</i>
17:30	End of Day 1

Conference Program

Tuesday, 08 October 2013	
08:00	Registration
08:45	Conference announcements
09:00	<p>Keynote lecture <i>Chairperson: Dr. Venizelos Efthimiou</i> Developments in power trains for wind energy converters <i>Prof. Constantinos Sourkounis, Ruhr-University of Bochum, Germany</i></p>
09:30	Technical sessions
	<p>Special session: Solar thermal cogeneration of electricity and water: The STEP-EW project <i>Chairperson: Prof. Aris Bonanos</i></p>
	<p>Energy systems I <i>Chairperson: Prof. Theodoros Zachariades</i></p>
09:30	<p>Design of a solar thermal co-generation demonstrator (Paper No. POEM13/179) <i>G. Tzamtzis (Cyprus)</i></p>
09:45	<p>Optical design of an integrated receiver and storage system (Paper No. POEM13/180) <i>C. Marakkos (Cyprus)</i></p>
10:00	<p>Cost-benefit analysis for the installation of cogeneration CSP technology in Cyprus (Paper No. POEM13/166) <i>A. Poullikkas, G. Kourtis, I. Hadjipaschalis (Cyprus)</i></p>
10:15	<p>Techno-economic analysis of a co-generation solar thermal plant (Paper No. POEM13/181) <i>N. Fylaktos (Cyprus)</i></p>
10:30	<p>Thermal desalination performance analysis (Paper No. POEM13/182) <i>M. Georgiou (Cyprus)</i></p>
10:45	Coffee Break
11:15	<p>Keynote lecture <i>Chairperson: Dr. George Tzamtzis</i> The large scale integration of solar energy in UAE <i>Prof. Mohamed Gadalla, American University of Sharjah, UAE</i></p>

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11:45	Technical sessions	
	Special session: Current research at Archimedes solar energy laboratory <i>Chairperson: Prof. Soteris Kalogirou</i>	Energy Systems II <i>Chairperson: Prof. Alexandros Charalambides</i>
11:45	Experimental investigation of the thermosiphonic phenomenon in domestic solar water heaters (Paper No. POEM13/187) <i>S. Kalogirou, G. Panayiotou, G. Florides, G. Roditis, N. Katsellis, A. Constantinou, P. Kyriakou, Y. Vasiades, A. Michaelides (Cyprus), T. Parisis (Greece), J. E. Nielsen (Denmark)</i>	Design rules for autonomous hybrid energy supply systems for various types of buildings in central Europe (Paper No. POEM13/163) <i>A. Broy, I. Vasileva, C. Sourkounis (Germany)</i>
12:00	Theoretical study of the application of Phase Change Materials (PCM) on the envelope of a typical dwelling in Cyprus (Paper No. POEM13/188) <i>G. Panayiotou, S. Kalogirou, S. Tassou (Cyprus)</i>	Development of a direct contact energy storage system (Paper No. POEM13/164) <i>S. Ahmed, M. Gadalla (UAE)</i>
12:15	Experimental evaluation of Phase Change Materials (PCM) for energy storage in solar water heating systems (Paper No. POEM13/189) <i>S. Kalogirou, G. Panayiotou, V. Antoniou (Cyprus)</i>	Concept of energy extraction from sludge of a clarification plant (Paper No. POEM13/161) <i>N. Becker, C. Sourkounis (Germany)</i>
12:30	Experimental investigation of the performance of a parabolic trough collector (PTC) installed in Cyprus (Paper No. POEM13/190) <i>S. Kalogirou, G. Panayiotou (Cyprus)</i>	Storage solutions for power quality problems of the distribution network (Paper No. POEM13/165) <i>A. Poullikkas, S. Papadouris, G. Kourtis, I. Hadjipaschalis (Cyprus)</i>
12:45	Optimization of Thermosiphon Solar Water Heaters working in a Mediterranean Environment (Paper No. POEM13/191) <i>S. Kalogirou, R. Agathokleous (Cyprus)</i>	Technical and feasibility analysis of gasoline and natural gas fuelled vehicles (Paper No. POEM13/154) <i>C. Chasos, G. Karagiorgis, C. Christodoulou (Cyprus)</i>
13:00	Evaluation of the solar cooling and heating system of the CUT mechanical engineering laboratories (Paper No. POEM13/167) <i>S. Kalogirou, F. Francou, G. Florides (Cyprus)</i>	
13:15	Lunch Break	
14:30	Keynote lecture <i>Chairperson: Prof. Constantinos Sourkounis</i> Analyzing energy policy options in Cyprus with a suite of energy-economy models Prof. Theodoros Zachariades, Cyprus University of Technology, Cyprus	

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Tuesday, 08 October 2013		
15:00	<p>Keynote lecture <i>Chairperson: Prof. Constantinos Sourkounis</i></p> <p style="text-align: center;">Building Integration of Solar Thermal Systems (BISTS)</p> <p><i>Prof. Soteris Kalogirou, Cyprus University of Technology, Cyprus</i></p>	
15:30	Technical sessions	
	<p>RES systems <i>Chairperson: Prof. Charalambos Chasos</i></p>	<p>Special session: Current research at Cyprus Energy Agency <i>Chairperson: Anthi Charalambous</i></p>
15:30	<p>On the power control techniques of DFIG: From conventional to a novel BELBIC scheme (Paper No. POEM13/155) <i>M. Valikhani, C. Sourkounis (Germany)</i></p>	<p>Increase of energy efficiency in 25 low income houses in Cyprus – a holistic approach (Paper No. POEM13/192) <i>G. Panayiotou, A. Charalambous, S. Vlachos, O. Kyriacou, E. Theofanous, T. Filippou (Cyprus)</i></p>
15:45	<p>Operation of wind energy conversion systems with Doubly-Fed induction generators during asymmetrical voltage dips (Paper No. POEM13/159) <i>P. Tourou, C. Sourkounis (Germany)</i></p>	<p>Promotion of PV energy through net metering optimization (Paper No. POEM13/193) <i>M. Hadjipanayi (Cyprus)</i></p>
16:00	<p>Generic model generation of decentralized cluster for renewable energies in smart grids (Paper No. POEM13/157) <i>M. Abu-Saleh, E. Ortjohann (Germany)</i></p>	<p>Production of biodiesel from microalgae in selected Mediterranean countries (Paper No. POEM13/194) <i>A. Charalambous (Cyprus), N. Gamal (Egypt)</i></p>
16:15	<p>Over-irradiance due to the presence of clouds (Paper No. POEM13/152) <i>R. Tapakis, A. Charalambides (Cyprus)</i></p>	<p>Towards low carbon homes through energy renovations (Paper No. POEM13/195) <i>G. Panayiotou (Cyprus)</i></p>
16:30	End of Day 2	