

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. Constantinos Yiorkadjis, <i>Mayor of Nicosia</i></p> <p>Mr. George Shamma, <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. Akis Ellinas, <i>President, Cyprus Wind Energy Association</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. Christodoulos Christodoulou</i>
10:20	Mr. Prodromos Prodromou, <i>Member of Parliament, 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	Keynote lecture <i>Chairperson: Prof. George Karageorgis</i> EAC planning for renewable energy sources generation <i>Dr. Stelios Stylianou, Electricity Authority of Cyprus, Cyprus</i>

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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 security in the Eastern Mediterranean regional security complexes (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 machis mo in the Eastern Mediterranean (Paper No. POEM13/171) <i>C. Constantinou (Cyprus)</i>
15:00	European road map for energy and the role of Cyprus hydrocarbons (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>
	Special session: Impacts of climate change on electricity needs in the Mediterranean <i>Chairperson: Prof. Manfred Lange</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>
	Anticipated impacts of climate change of electricity demand of Athens, Greece (Paper No. POEM13/174) <i>C. Giannakopoulos (Greece)</i>
	Small scale thermal solar district units for Mediterranean communities - The STS-MED project (Paper No. POEM13/175) <i>N. Fylaktos (Cyprus)</i>
	Climate change and expected enhanced urban heat-island effects (Paper No. POEM13/176) <i>P. Hadjinicolaou (Cyprus)</i>
	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>
	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

Tues day, 08 October 2013					
08:00	Registration				
08:45	Conference announcements				
09:00	<p>Keynote lecture <i>Chairperson: Dr. Andreas Stavrou</i></p> <p style="text-align: center;">Developments in power trains for wind energy converters</p> <p><i>Prof. Constantinos Sourkounis, Ruhr-University of Bochum, Germany</i></p>				
09:30	Technical sessions				
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #fce4d6;"> <th style="width: 50%; text-align: left;"> Special session: Solar thermal cogeneration of electricity and water: The STEP-EW project <i>Chairperson: Prof. Aris Bonanos</i> </th> <th style="width: 50%; text-align: left;"> Energy systems I <i>Chairperson: Prof. Theodoros Zachariades</i> </th> </tr> </thead> <tbody> <tr> <td style="vertical-align: top;"> <p>09:30 Design of a solar thermal co-generation demonstrator (Paper No. POEM13/179) <i>G. Tzamtzis (Cyprus)</i></p> <p>09:45 Optical design of an integrated receiver and storage system (Paper No. POEM13/180) <i>C. Marakkos (Cyprus)</i></p> <p>10:00 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> <p>10:15 Techno-economic analysis of a co-generation solar thermal plant (Paper No. POEM13/181) <i>N. Fylaktos (Cyprus)</i></p> <p>10:30 Thermal desalination performance analysis (Paper No. POEM13/182) <i>M. Georgiou (Cyprus)</i></p> </td> <td style="vertical-align: top;"> <p>Impact of the Euro-Asia Interconnector project on the economic operation of Crete and Cyprus power systems (Paper No. POEM13/153) <i>A. Antoniou, N. Theodorou (Cyprus), A. Tsikalakis, K. Kalaitzakis, G. Stavrakakis (Greece)</i></p> <p>Action steps for refining the Cyprus national action plan on RES penetration for electricity generation – Should we reconsider? (Paper No. POEM13/158) <i>A. Nikolaidis, C. Charalambous (Cyprus)</i></p> <p>A software tool to evaluate the total ownership cost of distribution transformers (Paper No. POEM13/160) <i>A. Lazari, C. Charalambous (Cyprus)</i></p> <p>Integration of quick charging stations for e-mobility in power grids of weak infrastructure and high impact of renewable energies (Paper No. POEM13/162) <i>C. Sourkounis, N. Becker, A. Broy, F. Einwächter (Germany)</i></p> </td> </tr> </tbody> </table>	Special session: Solar thermal cogeneration of electricity and water: The STEP-EW project <i>Chairperson: Prof. Aris Bonanos</i>	Energy systems I <i>Chairperson: Prof. Theodoros Zachariades</i>	<p>09:30 Design of a solar thermal co-generation demonstrator (Paper No. POEM13/179) <i>G. Tzamtzis (Cyprus)</i></p> <p>09:45 Optical design of an integrated receiver and storage system (Paper No. POEM13/180) <i>C. Marakkos (Cyprus)</i></p> <p>10:00 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> <p>10:15 Techno-economic analysis of a co-generation solar thermal plant (Paper No. POEM13/181) <i>N. Fylaktos (Cyprus)</i></p> <p>10:30 Thermal desalination performance analysis (Paper No. POEM13/182) <i>M. Georgiou (Cyprus)</i></p>	<p>Impact of the Euro-Asia Interconnector project on the economic operation of Crete and Cyprus power systems (Paper No. POEM13/153) <i>A. Antoniou, N. Theodorou (Cyprus), A. Tsikalakis, K. Kalaitzakis, G. Stavrakakis (Greece)</i></p> <p>Action steps for refining the Cyprus national action plan on RES penetration for electricity generation – Should we reconsider? (Paper No. POEM13/158) <i>A. Nikolaidis, C. Charalambous (Cyprus)</i></p> <p>A software tool to evaluate the total ownership cost of distribution transformers (Paper No. POEM13/160) <i>A. Lazari, C. Charalambous (Cyprus)</i></p> <p>Integration of quick charging stations for e-mobility in power grids of weak infrastructure and high impact of renewable energies (Paper No. POEM13/162) <i>C. Sourkounis, N. Becker, A. Broy, F. Einwächter (Germany)</i></p>
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10:45	Coffee Break				
11:15	<p>Keynote lecture <i>Chairperson: Dr. George Tzamtzis</i></p> <p style="text-align: center;">The large scale integration of solar energy in UAE</p> <p><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>	Concept of energy extraction from sludge of a clarification plant (Paper No. POEM13/161) <i>N. Becker, C. Sourkounis (Germany)</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>	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>
12:30	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>	Technical and feasibility analysis of gasoline and natural gas fuelled vehicles (Paper No. POEM13/154) <i>C. Chasos, G. Karagiorgis, C. Christodoulou (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>	
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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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>										
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