

ENERTECH '08 – Conference Program

THURSDAY, 20 NOVEMBER 2008	
14:00 – 16:00	KEYSTONE SPEECHES
	Prof. Evangelos Baltas (General Secretary, Ministry of Environment, Planning and Public Works)
	Dr. Anastasios Garis (CEO, PPC Renewables S.A.)
	Prof. Arthouros Zervos (Chairman, EWEA) - “RES Development in Europe”
	Mr. Ding Qiang (TianWei Group) - “Striding Towards a Green Future: Strategic Choice of China PV industry”
	Prof. Nikolaos Themelis (Director, Earth Engineering Center, Columbia University)
16:00 – 16:30	Coffee Break
16:30 – 18:30	PPC RENEWABLES SESSION
	Chairman: Prof. N. Hatziargyriou (PPC)
	“Partnerships in Solar Energy” - Solar Tower Technology (T. Rauch, Abengoa) - Thermal Storage (B. Pulwermuller, Solar Millennium) - Solar Trough CSP (C. Heredero, Iberdrola) - RES with Focus on CSP (D. Ibrahim, Greenpeace) - CSP Plants: Environmental Benefits & Considerations (F. Kourou, Environmental Consultants) - Future Investments in Solar Technology (G. Kanellos, Director of Solar Electricity Generation – PPCR S.A.)
	“The Ikaria Hybrid Plant: A Case Study in Pumped Storage” - S. Rontiris, Director SHPP Division
	“PPCR Geothermal Activity in Greece” - M. Kallios, Director of Corporate Strategy and Business Development
18:30 – 19:00	Break
19:00 – 20:30	INAUGURAL SPEECH
	Mr. Christos Folias (Minister of Development)
	GREETINGS
	Dr. Anastasios Garis (CEO, PPC Renewables S.A.)
	Dr. Wolfgang Schultheiss (German Ambassador)
	Mr. Jaime Gonzalez-Torres (Commercial Attaché of Spain)
	Mr. Ierotheos Papadopoulos (Head of the Representation of the E.C. in Greece)
	Mr. Ioannis Coccalas (Deputy Head of the Office of the European Parliament in Greece)
	Prof. Nikolaos Hatziargyriou (Vice Chairman, Public Power Corporation)
Mr. Ioannis Agapitides (Chairman, Centre for Renewable Energy Sources)	
	Mr. Michalis Siamidis (Vice Chairman, Industrial Division, ACCI)
20:30	DINNER

FRIDAY, 21 NOVEMBER 2008	
	SESSION A: DEVELOPMENT AND PROSPECTS OF THE RES MARKET Chairman: K. Tigas (CRES)
09:00 – 11:30	<p>“Prospects for the Greek PV market” - Florian Schmidt (EuPD Research)</p> <p>“Comparative evaluation of economic tools for the promotion of RES” - D. Diakoulaki, H. Tourkolias (NTUA), G. Bökenkamp (Univ. of Flensburg)</p> <p>“The Italian PV Market: Policy and Prospects” - Paolo Rocco Viscontini, Federico Brucciani (Gruppo Imprese Fotovoltaiche Italiane)</p> <p>“Solar Thermal Systems in Greece” - E. Kastanakis (Chairman, EBHE)</p> <p>“PV penetration potential in non-interconnected island grids” - E. Karamanou, M. Papadopoulos, S. Papathanasiou, N. Boulaxis, (NTUA & RAE)</p> <p>“RES development potential in Greek islands through their interconnection to the mainland system” - E. Karamanou, M. Papadopoulos, S. Papathansiou (NTUA)</p> <p>“Statistical analysis of the exploitation of sea energy in Greece, Europe and globally - F. Kogia, G. Aggelides, P. Aggelides, G. Aggelides (TEI of Kavala)</p>
11:30 – 12:00	COFFEE BREAK
	SESSION B: ENERGY UTILISATION OF MUNICIPAL SOLID WASTE Chairman: Prof. D. Tassios (NTUA)
12:00 – 14:15	<p>“WtE in Europe- state of the art and further developments” - E. Stengler (CEWEP)</p> <p>“Waste to energy solution for municipal solid waste” - E. Kalogirou (Intrakat)</p> <p>“Treatment and energy utilisation of municipal solid waste with the plasma gasification technology” - E. Voutsas, C. Vavva, G. Pappa, D. Tassios (NTUA)</p> <p>“Thermal processing of and energy recovery from organic wastes in countries-in-transition: An integrated feasibility-assessment framework” - A. Karagiannidis, M. Wittmaier, S. Langer, B. Bilitewski, A. Malamakis (Aristotle University of Thessaloniki)</p> <p>“Sustainable management of plastic wastes to energy” - A. Zabaniotou, E. Kantarelis, A. Swiderski, W. Yang (Aristotle University of Thessaloniki)</p> <p>“Potential for advancing waste-to-energy technologies” - N. Themelis (Director, Earth Engineering Center; Stanley-Thompson Professor Emeritus, Henry Krumb School of Mines, Columbia University)</p>
14:15 – 15:15	Lunch

	SESSION C: ENERGY GENERATION FROM RES Chairman: Prof. M. Papadopoulos (NTUA)
15:15 – 17:30	<p>“High Wind Penetration in the Spanish Power System, Challenges and Prospects” - Sergio Martinez (Red Eléctrica de España)</p> <p>“Geothermal Energy Exploitation” - M. Fytikas, M. Papachristou, N. Andritsos (Aristotle University of Thessaloniki & University of Thessaly)</p> <p>“Utility-scale solar: path to success” - Gary Conley (SolFocus)</p> <p>“Optimal Power Management for PV Systems” - K. Nikolaou, D. Bargiotas (TEI of Halkidas)</p> <p>“The Status and Development of China’s Solar Crystalline Silicon Industry” - Sun Jianjiang (Vice Chairman, China New Energy Chamber of Commerce)</p> <p>“Calculation of the Diffuse Ratio of Solar Irradiance Incorporating Additional Parameters Besides the Clearness Index” - E.D. Mehleri, P. L. Zervas, H. Sarimveis, J. A. Palyvos, N. C. Markatos (NTUA)</p>
17:30 – 17:45	BREAK
	SESSION D: HYDROGEN, NATURAL GAS AND CHP Chairman: Prof. Y. Caloghirou (NTUA)
17:45 – 20:00	<p>“Solar Hydrogen: the Hydrosol Process” - A. Konstantopoulos (Aerosol & Particle Technology Laboratory, CERTH/CPERI, Aristotle University of Thessaloniki)</p> <p>“The use of compressed natural gas – CNG – in cars” - A. Sgourakis (Natural Gas Vehicles Director, DEPA S.A.)</p> <p>“Satellite LNG Units” - K. Karakitsou, (Marketing Director, DEPA S.A.)</p> <p>“CHP - European Policy” - K. Theofylaktos,(Member of Boards of Directors of COGEN & HACHP)</p> <p>“CHP - The Greek dimension” - G. Ayerides (Energy Efficiency Director CRES, Chairman HACHP)</p> <p>“The ESCO model in promoting CHP and energy efficiency – case studies” - A. Botzios-Valaskakis (Engineering & Operations, HELESCO S.A.)</p> <p>“Using Network Simulation & GIS to create a decision support system for the reinforcement of the Natural Gas Network in the Center of Athens” - P. Dionyssopoulos (Planning Manager, Attiki Gas Supply Company S.A.)</p>
20:00	END OF DAY 2

SATURDAY, 22 NOVEMBER 2008	
	SESSION E: ENERGY SAVING & EFFICIENCY Chairman: Prof. M. Santamouris (NTUA)
10:00 – 12:00	<p>“Solar Thermal Systems in residences & swimming pools” - R. Christodoulaki, V. Drosou, E. Korma (CRES)</p> <p>“Building energy performance evaluation according to Greek Law 3661/08. Comparison between measured and calculated approach” - T. Nikolaou, D. Kolokotsa, G. Stavrakakis, I. Skias (Technical University of Crete and TEI of Crete)</p> <p>“The importance of energy audit in the energy certification of buildings” - A. Androutsopoulos, E. Alexandri (CRES)</p> <p>“Thermodynamic Appraisal of LiCl, LiBr and CaCl₂ as common liquid Drying Agents in Open Systems” - R. Christodoulaki, E. Koronaki, E. Rogdakis (NTUA)</p> <p>“Energy design for buildings” - S. Prevezanos</p> <p>“Analysis on Comprehensive Solution for Building Integrated Renewable Energy” - Ling Song (Director of Green Building Label Office, Center of Science and Technology of Construction, Ministry of Housing and Urban and Rural Dev.)</p>
12:00 – 12:30	COFFEE BREAK
	SESSION F: ENERGY AND THE ENVIRONMENT Chairman: Prof. M. Fytikas (Aristotle University of Thessaloniki)
12:30 – 14:30	<p>“The Road to Copenhagen – How to Reach a Global Climate Agreement in 2009” - Tom Norring (Danish Ambassador to Athens)</p> <p>“RES penetration and its impact on the social costs of power generation” - Ch. Tourkolias, P. Georgiou, D. Diakoulaki (NTUA)</p> <p>“Carbon Emissions and Floating Solar Chimney Technology” - C. D. Papageorgiou (NTUA)</p> <p>“Mitigation of CO₂ emissions from the use of various renewable energy sources in Crete” - J. Vourdoubas, N. Zografakis (TEI of Crete)</p> <p>“Environmental policy and management of biofuel sources in agricultural sector” - Ag. Filintas and P. Dioudis (TEI of Larisa)</p> <p>“Analysis of biomass potential using GIS” - Kamila Havlíčková, Jana Šedivá & Jan Weger (Silva Tarouca Research Institute for Landscape and Ornamental Gardening, Publ. Res. Inst.)</p>
14:15 – 15:15	LUNCH

	<p align="center">SESSION G: RES ENERGY STORAGE, HYBRID SYSTEMS, DISTRIBUTED GENERATION AND MICROGRIDS</p> <p align="center">Chairman: Prof. G. Stavrakakis (Technical University of Crete)</p>
15:30 – 18:30	<p>“Feasibility of covering the energy demand on an isolated island, by an exclusively renewable multi-component energy system” - Ch. Stamatopoulos (Uppsala University)</p> <p>“Optimal design and evaluation of a battery energy storage system for the exploitation of the rejected energy generated by wind farms in isolated electric grids” - E. Koutroulis, G. Stavrakakis, D. Kolokotsa (Technical University of Crete and TEI of Crete)</p> <p>“Optimal sizing and design of pumped-storage wind-hydro power plants according to the Greek Law 3468/2006 restrictions: case study for Crete island” - T. Nikolaou, G. Stavrakakis, I. Skias, E. Skarlou (Technical University of Crete)</p> <p>“Model-based optimal control for a proton exchange membrane fuel-cell (PEMFC) stack” - J. Hasikos, H. Sarimveis, P. L. Zervas, N. C. Markatos (NTUA)</p> <p>“The benefits from the spatial dispersion of the wind farms in the Greek power supply system” - G. Caralis, K. Rados, A. Zervos (NTUA & TEI of W. Macedonia)</p> <p>“Study and construction of a 5kW DC/DC Converter for Fuel Cell Interconnection and Battery Charging” - I. Nalmpantis, F. Stergiopoulos, C. Elmasides, S. Voutetakis (Sunlight & EKETA/ITXHA)</p>
18:30	END OF DAY 3

SUNDAY, 23 NOVEMBER 2008

BUSINESS FORUM	
10:00 – 12:00	<p>“Development and Perspectives of the Solar Thermal and Photovoltaic Market in Europe” -Gerhard Stryi-Hipp (President, Bundesverband Solarwirtschaft e.V.)</p> <p>“Photovoltaic New Beginning” - Nikolaos Kalogerakis (President, Panhellenic Photovoltaics Association)</p> <p>“Research in renewable energy at the Division for Electricity of Uppsala university, Sweden” - Marcus Berg (Ph.D., M.Sc.Eng.Phys.) Tekn.dr., Civ.ing. Teknisk fysik</p> <p>“Benefits of vertical integration as a business model in the PV industry” - Álvaro García-Maltrás (Sales Manager for Spain & South Eastern Europe, Trinasolar)</p> <p>“New Frontiers of PV Technology” - Sandra Magnani (President, SAMARES, Enerqos)</p> <p>“Risk Management for Utility Scale Solar Power Plant” - Mario Riello (European Sales Director, SunPower)</p> <p>“PV measurements/comparisons from HELIO_ENERGY - G. Tsogias (Prof. of Economics, Freie Universitaet Berlin, & Founder, Helio-energy O.E.)</p> <p>“Horizontal closed loop geothermal systems: the consequences on the coefficient of performance and the economical construction view” - N. Psarras (Aid Engineering)</p> <p>“Increasing performance of energy production from RES by enhancing its lightning protection” - K. Samaras, A. Konstas (RAYCAP)</p>
12:00 – 12:30	COFFEE BREAK
BUSINESS FORUM	
12:30 – 13:45	<p>“Solar Tracking Systems” -Dr Apostolos S. Apostolou (Commercial Director, Mechatron S.A.)</p> <p>“Crystalline silicon: A proven Technology” -Philipp Kunze, <i>Managing Director</i>, Solaria Germany GmbH</p> <p>“From Wind to Power” Reinhard Mallon (Managing Director, Win:pro develop GmbH & Co. KG Hellas)</p> <p>“Solar power from SUNSET” - Dominik Hammer (SUNSET Energy Group)</p> <p>“SOLAR CELLS HELLAS SA- Company Presentation” - Dr. Alexander Zachariou (Commercial Director, Solar Cells Hellas S.A.)</p> <p>“EPLAN Electric P8” - Christos Dimitriadis (Managing Director, EPLAN Hellas)</p>

13:45- 14:00	COFFEE BREAK
14:00 – 15:15	BUSINESS FORUM
	<p>“Fronius 50 years in the making” - Dawid Zajkowski, (Area Sales Manager South Eastern Europe, FRONIUS International GmbH)</p> <p>“New Name, New Products, New Dynamics, ExelGroup” - Nikos Pitsokos (General Manager, ExelSolar)</p> <p>“45% additional yield with dual-axis Solar Tracking Systems and DEGERconecter sensor technology” - Peter Scherer (International Sales Manager, DEGERenergie GmbH)</p> <p>“Project development and energy optimisation” - Uwe Feulner, (CEO, Feulner Kinast Ingenieurgesellschaft mbH)</p> <p>“Energotech Group - 30 years of wind chasing” - Giorgia Patsoura (Vice-President, ENERGOTECH S.A.)</p>
15:15	END OF THE CONFERENCE