

Time	WEDNESDAY, 22.6.2016					
08:30- 09:15	<p align="center"><b>Keynote Lecture</b> (Emerald)</p> <p align="center">Jean-Pierre Bedecarrats : <i>Potential role and challenges of thermal energy storage</i></p>					
	EMERALD 1	EMERALD 2	MEDITERANEA 1	MEDITERANEA 2	ADRIA 1	ADRIA 2
	Refrigeration & air conditioning; Heat pumps	Exergy based methods and thermo-economic analysis & optimization	ORC	Energy Storage (thermal, electric, hydrogen, alternatives)	Heat & mass transfer, fluid dynamics	Power generation and CHP with fossil fuels and nuclear
09:25-10:45	Yuqi Shi: <i>Experimental Study of a Novel Ejector-absorption Refrigeration Cycle Driven by Multi-heat sources</i>	Johannes Wellmann: <i>Exergoeconomic evaluation of a CSP plant in combination with a desalination unit</i>	Asfaw Beyene: <i>Design Challenges of Low Grade Heat Recovery ORCs for Low Power Output</i>	Adriano Sciacovelli: <i>Liquid air energy storage – operation and performance of the first pilot plant in the world</i>	Dimitrios Korres: <i>Thermal analysis of an entire Flat Plate Collector with a Serpentine flow system and determination of the water and air flow and convection regime</i>	Sotirios Karellas: <i>Simulation on the Flue Gas Pre-Dried Lignite-Fired Power Plants Firing High Moisture Lignite</i>
	Antonio Gallego: <i>Thermodynamic modelling and exergetic analysis of ammonia-water absorption refrigeration system.</i>	Nilton Fukushima: <i>Exergetic Analysis Of Stillage Concentration</i>	Van Long Le: <i>Performance Evaluation Of An Organic Rankine Cycle (ORC) Connected To Two-Phase Closed Thermosyphons.</i>	Annelies Vandersickel: <i>Small-scale Pumped Heat Electricity Storage for decentralised combined Heat and Power Generation</i>	Ioannis Alexopoulos: <i>Simulation of a Heat Exchanger</i>	Julia Hentschel: <i>Dynamic simulation of a 550MWel coal fired power plant for extended secondary control power output</i>
	Jonas Kjaer Jensen: <i>Design of serially connected ammonia-water hybrid absorption-compression heat pumps for district heating with the utilisation of a geothermal heat source</i>	Goran Vučković: <i>Improving the accuracy of the results of exergy analysis and exergoeconomics evaluation for the complex energy system using the CFD technique</i>	Andrea Lazzaretto: <i>Performance comparison between single and dual pressure Organic Rankine Cycle systems</i>	Donald Olsen: <i>Systematic Thermal Energy Storage Integration in Industry Using Pinch Analysis</i>	Shobhana Singh: <i>Performance study of a fin and tube heat exchanger with different fin geometry</i>	Aldo Bischi: <i>Scheduling optimization of Combined Heat and Power units with multiple degrees of freedom based on the superposition principle</i>
	Bosheng Su: <i>Proposal and assessment of a two-stage liquid desiccant dehumidification system driven by low-temperature heat and power</i>	Juan Carlos Pacheco: <i>Finite-time thermoeconomic optimization of a non-endoreversible Novikov power plant model under different regimes of performance with Dulong-Petit's heat transfer law</i>	Turgay Koroglu: <i>Advanced Exergoeconomic Analysis of Organic Rankine Cycle Waste Heat Recovery System of a Marine Power Plant</i>	Georges Descombes: <i>A modeling and simulation approach for thermal energy storage devices</i>	Mladen Tomic: <i>Experimental and Numerical Investigation of Thermal and Fluid Flow Processes in a Matrix Heat Exchanger</i>	Yi Chen: <i>Investigation of an ammonia-water combined power and cooling system driven by jacket water and exhaust gas heat of internal combustion engine</i>
10:45-11:05	Coffee Break					

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	EMERALD 1	EMERALD 2	MEDITERANEA 1	MEDITERANEA 2	ADRIA 1	ADRIA 2
	Refrigeration & air conditioning; Heat pumps	Power generation and CHP with RENEWABLES and WASTE	Energy Storage (thermal, electric, hydrogen, alternatives)	Environmental, social and sustainability issues associated with energy systems, industrial production, and transportation	Energy policy & planning	Heat & mass transfer, fluid dynamics
11:05-12:45	Louis Lamarche: Short-Time modeling of geothermal systems	Pascal Stouffs: Theoretical and experimental investigations on the instantaneous heat transfer in the cylinder of an Ericsson engine	Ioannis Alexopoulos: Simulation of a heat tank with Phase Change Materials (PCM)	Andreas Bertram: Potential Environmental Impacts of Hydraulic and Chemical Stimulations in Deep Geothermal Wells – a German Perspective	Uroš Stritih: Integration of Renewable energy sources and Forecast of development of electricity consumption in the Slovenian transmission network till 2050	Giampaolo Manfrida: Fluid Dynamics Assessment Of Tesla Turbine Rotor
	Ruzhu Wang: Investigation on annual energy performance of a VWV air-source heat pump system	Juan Camilo Lopez: Thermo-economic analysis of a sugarcane cogeneration cycle by subcycle decomposition	Michael Angerer: Simulation of cogeneration combined cycle plant flexibilization by thermochemical energy storage	Jorge Cunha: A cross-country assessment of energy-related CO <sub>2</sub> emissions: A combined decomposition and decoupling approach	Amer Karabegović: Local community as the pillar of developing a sustainable energy strategy	Enrico Sciubba: Microfluidic in-chip temperature control via heat of mixing release
	Nordin Aranzabal: Enhanced thermal response test using fiber optics for a double U-pipe borehole heat exchanger analysed by numerical modeling	Barbara Hetterich: Optimal energy supply system and hourly operation plan for the TUM campus Garching using linear programming model URBS	Youssef Mazloum: Exergoeconomic analysis and optimization of a novel isobaric adiabatic compressed air energy storage system	Lidia Lombardi: Environmental impacts of electricity production of micro wind turbines with vertical axis	Victor Codina Girones: Optimal use of biomass in large-scale energy systems: insights for energy policy	Federico Fontana: CFD modelling to aid the design of steel sheet multistage pumps
		Túlio Freitas: Methodology to evaluate the viability of windfarm – cases study	Wenyi Liu: Performance Analysis of Adiabatic Compressed Air Energy Storage and Solar Hybrid System	Anabela C. Alves: Comparing Lean-Green models for eco-efficient production	Georg Wagener-Lohse: Waking the sleeping giant – deriving a strategy for dynamic renewable heat markets in Germany	Jifeng Song: A simpler finite element method for the flux density distribution of a parabolic trough concentrator
				Christiane Lohse: Environmental Impact by Hydrogeothermal Energy Generation in Low-Enthalpy Regions	Sergio Juárez-Hernández: Energy and CO <sub>2</sub> emissions of the Mexican white maize agroindustry	Moritz Gleinser: New approach for transient simulation of closed batch evaporation in a plate heat exchanger
12:45-14:00	Lunch Break					

Time	WEDNESDAY, 22.6.2016					
14:00- 14:45	<p align="center"><b>Keynote Lecture</b> (Emerald)</p> <p align="center">Peter Novak: <i>Sustainable energy or exergy system?</i></p>					
	EMERALD 1	EMERALD 2	MEDITERANEA 1	MEDITERANEA 2	ADRIA 1	ADRIA 2
	ORC	Power generation and CHP with RENEWABLES and WASTE	Energy and buildings	Nonbiomass RENEWABLE thermal systems	Engines, furnaces & boilers, combustion/gasification	Environmental, social and sustainability issues associated with energy systems, industrial production, and transportation
	<p><b>Mauro Reini:</b> <i>Multiple Expansion ORC For Small Scale – Low Temperature Heat Recovery</i></p>	<p><b>Lidia Lombardi:</b> <i>Analysis of environmental impact of wind turbines at increasing size</i></p>	<p><b>Kevin Sartor:</b> <i>Exergy analysis applied to performance of buildings in Europe</i></p>	<p><b>Dimitrios Korres:</b> <i>Optical and thermal analysis of a new U-type Evacuated Tube Collector with a Mini-Compound Parabolic Concentrator and a cylindrical absorber.</i></p>	<p><b>Vittorio Tola:</b> <i>Optimization Of A Syngas Purification Line And CO<sub>2</sub> Capture Systems Integrated With A Small-Scale Up-Draft Gasifier</i></p>	<p><b>Biljana Milutinović:</b> <i>Life Cycle Assessment Of Waste Management Scenarios With Energy Recovery Using Multi-Criteria Analysis: Case Study Of City Of Niš</i></p>
14:55-16:15	<p><b>Jean-François Oudkerk:</b> <i>Development of a semi-analytical model of volumetric expander for system-level simulation.</i></p>	<p><b>Maurizio La Villetta:</b> <i>Numerical analysis of a compression ignition engine for CHP applications powered in the dual-fuel mode with syngas and biodiesel</i></p>	<p><b>Muhyiddine Jradi:</b> <i>Towards Energy Efficient Office Buildings in Denmark: The Maersk Building Case Study</i></p>	<p><b>Daniel R. Rousse:</b> <i>A one year performance comparison of transparent and unglazed transpired collector</i></p>	<p><b>Ricardo Hartmann:</b> <i>Thermodynamic Approach To Assess Premixed Spherical Flame Propagation: Calculation of Laminar Flame Speed, Radius Profile and Exergy Destruction Using Experimental Pressure Traces as Input</i></p>	<p><b>Biljana Milutinović:</b> <i>Environmental, Economic And Technical Assessment Of Rubber Bledns With Multi-Criteria Analysis</i></p>
	<p><b>Paulo de Mello:</b> <i>A novel scroll expander for flank leakage investigation: preliminary tests</i></p>	<p><b>Borcilă Bogdan:</b> <i>New Methodology for Computing Performance of Solar Stirling Engines with Cogeneration using Fresnel Mirrors, Developed in the Framework of Thermodynamics with Finite Speed and the Direct Method</i></p>	<p><b>Umberto Desideri:</b> <i>Design methodology of passive houses in different climatic zones in Italy</i></p>	<p><b>Anna Wallerand:</b> <i>Targeting optimal design and control of solar heated industrial processes: MILP models and results for a solar heated dairy</i></p>	<p><b>Wojciech Stanek:</b> <i>Thermodynamic assessment of an integrated mild oxy combustion power plant</i></p>	<p><b>Hossein Khajeh Pour:</b> <i>Establishing the Local Emission Standard Level: the Case of Assaluyeh</i></p>
	<p><b>Caio Gracco Fonseca do Val:</b> <i>Deep water cooled ORC for floating oil platform applications</i></p>	<p><b>Tatiana Potapenko:</b> <i>Research of lightning protection features for a wind mill by the method of tracing the lines of stream function</i></p>	<p><b>Alex Bertrand:</b> <i>In-building waste water heat recovery: an urban scale method for energy saving assessments</i></p>	<p><b>Christos Markides:</b> <i>Experimental validation of a 3-D dynamic solarthermal collector model under time-varying environmental conditions</i></p>	<p><b>Mauro Venturini:</b> <i>Set-up of a robust NARX model simulator of gas turbine start-up</i></p>	<p><b>Maria Jaen: HYACINTH:</b> <i>Hydrogen Acceptance In the Transition pHase</i></p>
16:15-16:35	Cofee Break					

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	EMERALD 1	EMERALD 2	MEDITERANEA 1	MEDITERANEA 2	ADRIA 1
	<b>Energy and buildings</b>	<b>Power generation and CHP with RENEWABLES and WASTE</b>	<b>District energy systems &amp; Smart Cities</b>	<b>Process integration, simulation &amp; optimization of energy systems</b>	<b>Basic &amp; applied thermodynamics</b>
	<i>Soteris Kalogirou: Exergy Analysis of a Naturally Ventilated Building Integrated Photovoltaic (BIPV) System</i>	<i>Rodolfo Taccani: Parametric analysis of a solar thermal power plant with an organic Rankine cycle (ORC) generator</i>	<i>Mattias Vesterlund: Optimization of multi-source complex district heating network, a case study</i>	<i>Franziska Klaucke: Demand Response Potential at the Chemical Industry: Review</i>	<i>Assaad Zoughaib: Exergy recovery during LNG gasification using ambient air as heat source</i>
<b>16:35-17:55</b>	<i>Soteris Kalogirou: Thermal Analysis of a Building Integrated Photovoltaic (BIPV) System</i>	<i>Claudia Toro: Simulation and comparative Thermo-economic analysis of Central Receiver Concentrated Solar plants using air as heat transfer fluid</i>	<i>Tetsuya Wakui: Optimal Operational Management of Residential Energy Supply Networks with Power and Heat Interchanges</i>	<i>Antonio Valero: »Composed thermodynamic rarity” of the materials in electric and electronic equipment</i>	<i>Ricardo T. Pérez-Hernández: Local Stability of a Curzon and Ahlborn Engine by Using Simplified Expressions of Efficiency</i>
	<i>Hang Dao: Modelling and Residential Energy Performance Analysis - Toward Net Zero Energy House</i>	<i>Paula Ferreira: Limitations of thermal power plants to solar and wind development in Brazil</i>	<i>Alberto Pizzolato: Robust design of large district heating networks through topology optimization</i>	<i>Edgar Fernando Cortes Rodriguez: Heat integration of a vinasse concentration system and juice evaporation system to the conventional ethanol production process</i>	<i>Jean-Noël Jaubert: Mathematical constraints for an optimal design of temperature-dependent attractive parameter expressions in cubic equations of state</i>
	<i>Rory Greenan: Adaptive Reuse of Chimney Flues in Historic Buildings in Australia</i>	<i>Mexitli Sandoval: Feasibility analysis of an electricity, cooling and heating microgrid developed for a University Campus in Lisbon, Portugal using Combined Heat, Cooling and Power</i>		<i>Kevin Sartor: Experimental validation of heat transport modelling in district heating network</i>	
<b>20:00-24:00</b>	<b>Gala Dinner (In front of hotel Histrion - old Church)</b>				