

Time	MONDAY, 20.6.2016				
08:00 - 09:30	<u>Registration</u>				
09:30 - 10:15	<u>Opening ceremony</u> (Emerald Ballroom)				
10:20 - 12:20	<u>Plenary Lectures</u> (Emerald Ballroom) Matija Tuma: <i>Prof. Dr. Zoran Rant</i> Osamu Motojima: <i>The Role of Fusion Energy in the Future Energy Mix for the Sustainable Development of the World</i>				
12:30-14:00	Lunch Break				
14:00-14:50	<u>Keynote Lecture</u> (Emerald) Henrik Lund: <i>Smart Heat Europe - The design of smart heating as part of future Sustainable Energy Solutions</i>				
	EMERALD 2	EMERALD 1	MEDITERANEA 1	ADRIA 1	ADRIA 2
	ORC	Refrigeration & air conditioning; Heat pumps	District energy systems & Smart Cities	Process integration, simulation & optimization of energy systems	Engines, furnaces & boilers, combustion/gasification
	Carlo Francesco Palumbo: <i>Design and cfd analysis of a Ljungström turbine for an ORC cycle in a waste heat recovery application</i>	Marija Macenić: <i>Impact of borehole cement-bentonite grout's thermal conductivities on a long-term ground-source heat pump efficiency</i>	Ryohei Yokoyama: <i>Optimal Operation of Heat Supply Systems With Piping Network</i>	Tuong-Van Nguyen: <i>A preliminary analysis of floating production storage and offloading facilities with gas liquefaction processes</i>	Paul Sapin: <i>Wall temperature and system mass effects in a reciprocating gas spring</i>
15:00-16:20	Rémi Dickes: <i>ORCmKit : an open-source library for organic Rankine cycle modeling and analysis</i>	Josipa Kapuralić: <i>Comparing seasonal performance factor of different heat pump systems for residential HVAC in the Dfb climate area of Republic of Croatia</i>	Tjaša Čož: <i>Exergoeconomic optimization of a district cooling network</i>	Riccardo Bergamini: <i>Development of Simplified Process Integration Methodologies in medium size industries</i>	Roberta Masci: <i>A lumped thermodynamic model of gas turbine blade cooling: prediction of first-stage blades temperature and cooling flow rates</i>
	Stephane Schuller: <i>Technical and economic optimization of an organic Rankine cycle dedicated to the production of electricity from a geothermal source using a genetic algorithm</i>	Philipp Mehrfeld: <i>Influences on the Seasonal Performance of Heat Pump Systems Investigated Via Dynamic Simulations</i>	Henrik Saxen: <i>Tool for dimensioning of energy efficient district heating in areas with low-energy buildings</i>	Hassan Harb: <i>Identification of data-driven grey-box models for energy management applications</i>	Vladimir Stevanović: <i>Dynamics of wet flue gas desulfurization in spray absorber</i>
	Dominik Meinel: <i>Flexible two-stage turbine bleeding Organic Rankine Cycles (ORCs) for combined heat and power applications</i>	Gerrit Bode: <i>Mode and storage load based control of a complex building system with a geothermal field</i>		Ryohei Yokoyama: <i>Performance Comparison of Energy Supply Systems Under Uncertain Energy Demands Based on a Mixed-Integer Linear Model</i>	Tuong-Van Nguyen: <i>Techno-economic optimisation of three gas liquefaction processes for small-scale applications</i>
16:20-16:50	Coffee Break				

Time	MONDAY, 20.6.2016				
	MEDITERANEA 1	EMERALD 1	EMERALD 2	ADRIA 1	ADRIA 2
	Energy and buildings	Refrigeration & air conditioning; Heat pumps	Exergy based methods and thermo-economic analysis & optimization	Biomass/biofuels; biorefinery concepts; waste-to-energy	Power generation and CHP with fossil fuels and nuclear
16:50-18:10	Thomas Schütz: Clustering algorithms for the selection of typical demand days for the optimal design of building energy systems	Michael Noeding: Operation Strategy for Heat Recovery of Transcritical CO ₂ Refrigeration Systems with Heat Storages	Noam Lior Exergo Economic Analysis-Based Criteria for Competitiveness of Hybrid Power Cycles using Multiple Heat Sources of Different Temperatures	Malgorzata Wilk: Mineral phase transformation of biomass ashes – thermal analysis and FactSage calculations	Zygmunt Kolenda Thermodynamic analysis of power generation cycles with High Temperature Gas Cooled Nuclear Reactor HTGR and Additional Coolant Heating up to 1600°C
	Olivier Dumontu: Economic assessment of energy storage for load shifting in Positive Energy Building	Adriana Reyes-Lúa: Optimal operation of vapor-compression cycles in off-design conditions	Fabian Bühler Energy, Exergy and Advanced Exergy Analysis of a Milk Processing Factory	Pratham Arora: Remote, small-scale, ‘greener’ routes of ammonia production	Ligang Wang Multi-objective superstructure-free synthesis and optimization of thermal power plants
	Jan Schiefelbein: Clustering of buildings within city districts to reduce runtime for energy system placement optimization	Paride Gullo: Thermodynamic Performance Evaluation of R744 Supermarket Refrigeration Systems by employing Advanced Exergy Analysis	Stefanie Tesch Exergoeconomic analysis applied to the process of regasification of LNG integrated into an air separation process	Ayse Dilan Celebi: Early-stage decision making approach for the selection of optimally integrated biorefinery processes	Michalis Agraniotis: Modern design concepts for thermal power generation towards highest efficiency, increased utilization and reduced carbon footprint
	Henryk Wolisz: Cost optimal dimensioning of energy system components for smart buildings considering changing end-consumer energy market models	Emi Matsui: Accuracy Improvement of Performance Evaluation for Variable Refrigerant Flow Systems	Julio Augusto Mendes da Silva: Allocation of waste and resources in multiproduct plants: thermoeconomics and LCA	Andrej Senegačnik: Gasification and combustion reactor geometry design of a Fast Internal Circulating Fluidized Bed Gasifier	Eike Mollenhauer Increasing the Flexibility of Combined Heat and Power Plants with Heat Pumps and Thermal Energy Storage