

Saturday, November 12, 2016 – Athinais Cultural Center

34 Kastorias str., 104 47 Athens, Hellas

8:00	9:00	Registration & Welcome		
		Plenary - Open Ceremony - Welcome Presentations		
9:00	10:00	<p style="text-align: center;">Ioanna Deligkiozi President, Hellenic Chapter, EinB Conference Chair</p> <p style="text-align: center;">Georgios Stasinou President, Technical Chamber of Greece</p> <p style="text-align: center;">Rear Admiral Athanasios Nasopoulos H.N. Deputy Chief of the Hellenic Navy Logistics</p> <p style="text-align: center;">Thodoros Papadopoulos Managing Director, Attiko Metro</p> <p style="text-align: center;">Dimitris A. Charalambopoulos Treasurer, Hellenic Chapter, EinT Conference Chair</p>		
		SILK - A	SILK - B	MUSEUM
10:00	10:30	ASHRAE's International Role in Shaping the Built Environment – Region at Large FAROOQ MEHBOOB <i>Director & Regional Chair, ASHRAE Region At Large</i>	Presentation by HELLENIC NAVY staff	Cost Effective Operation of Combined Cooling Heat and Power (CCHP) in Buildings Dr. CHRISTOS J. KORRES <i>Chemical Engineer NTUA, CEO, Heliostat Ltd.</i>
10:30	10:50	Construction Activity in Hellas of Crisis: Opportunities, Challenges and Measures to Contain the Situation ANTHIMOS AMANATIDIS <i>Mechanical Engineer, Secretary General, Technical Chamber of Greece-Central Macedonia Section</i>	Design of a Multi-Purpose, Regional, Intelligent Transportation System With E-Vehicles And Solar-Energy Charging-Stations Prof. Dr. DIMITRIOS TSIAMITROS <i>Dpt of Electrical Engineering, Western Macedonia University of Applied Sciences</i>	Transformation of a University Building into a Nearly Zero Energy Building Christos MYTAFIDIS <i>Structural Engineer B.Sc., Environmental Engineer M.Sc.</i>
10:50	11:10	Building Integrated PV (BIPV) – Measuring Technical Characterization and Standardization Prof. Dr. MARIJA S. TODOROVIĆ <i>Fellow-ASHRAE, Fellow-REHVA and Fellow-WAAS</i>	CO ₂ Emissions from Ships: Reduction Methods and Technologies Prof. Dr. ELIAS YFANTIS <i>Head of the Naval Architecture & Marine Engineering Section, Hellenic Naval Academy</i>	Indoor Environmental Quality and its Impacts on Health – Case Study: School Buildings ALEXANDROS KARAPETIS <i>Civil Engineer M.Sc., CEO, Cofounder Tritoxo Project Management</i>
11:10	11:30	COFFEE BREAK		
11:30	12:00	A Sustainable Roadmap for Energy in Transport : Innovation, Efficiency and Productive Reconstruction CHRISTOS SPIRTZIS <i>Minister of Infrastructure, Transport & Networks</i>	Vertical Transport in Buildings, Present & Future Situation Prof. Dr. BRANISLAV TODOROVIĆ <i>Professor at the University of Belgrade, Permanent Visiting professor, South-East University in Nanjing, China, Editor of Elsevier's Journal Energy & Buildings</i>	Integration of Building Automation Systems into Microgrids Management Systems for Effective Demand Response Schemes in Smart Grids Prof. Dr. DIMITRIOS TSIAMITROS <i>Dpt of Electrical Engineering, Western Macedonia University of Applied Sciences</i>
12:00	12:20	Photovoltaic Energy Efficiency Analysis for Hellenic Residential Buildings ATHINA GAGLIA <i>Mechanical Engineer, M.Sc., National Technical University of Athens</i>	Commercial Aircraft Cabins' Air Conditioning Systems Prof. Dr. DOAA MAHMOUD EL-SHERIF <i>Architecture & Housing Department of the Housing & Building National Research Center "HBRC", Ministry of Housing & Urban Development of Egypt</i>	Facing The Challenge Of Improving Energy Efficiency In Existing Buildings By Architectural Energy Retrofit (AER) EFTYCHIA ELIOPOULOU <i>Architect, National Technical University of Athens, MSc in Environmental Design of Buildings, WSA, Cardiff University, Ph.D. Researcher, National Technical University of Athens</i>
12:20	12:40	Trends of Popular Energy Conservation Measures and Resulting Savings in Hellenic Schools KALLIOPI G. DROUTSA <i>Environmental Physicist M.Sc., Research Associate Group Energy Conservation, Institute for Environmental Research & Sustainable Development, National Observatory of Athens</i>	Reliability-based Operational Strategies for Energy Storage Systems in Transportation Systems Applications Prof. Dr. EVANGELOS DIALYNAS <i>Electrical Engineer, National Technical University of Athens</i>	Solar Assisted Heat Pump Space Heating Systems in Athens - An Energetic and Financial Analysis EVANGELOS BELLOS <i>Ph.D. (c) in Thermal Engineering at Solar Energy and Buildings National Technical University of Athens</i>

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12:40	13:00	Evaluating Energy Savings Projects KONSTANTINOS LASKOS <i>Civil Engineer AUTH, ASHRAE BEMP, Energy Planning & Saving Consultant</i>	Intermodal Hubs for Eco-Friendly Transport Logistics Prof. Dr. YORGOS STEPHANEDES <i>Division Director, Environmental and Transportation Engineering, Dept. of Civil Engineering, University of Patras, Greece</i>	Investigation of the Environmental Behaviour, Oil Burner of Central Heating Boiler for Burning, Oil Mixture and Biodiesel Dr. IOANNIS KARMALIS <i>P.g.D.-M.B.A Mechanical Engineer</i>
13:00	14:00	LUNCH BREAK		
14:00	14:20	Simulation of Air Flow Pattern in a Room with Ceiling Mounted Circulator Prof. Dr. ESSAM E. KHALIL <i>Professor of Mechanical Engineering, Cairo University, Chairman Arab HVAC Code Committee, Deputy Director (International) AIAA</i>	Air Conditioning System Design on a Two-Line Metro Station - A Complex Case of Energy, Cost, Social and Environmental Sustainability Dr. GEORGE LEOUTSAKOS <i>Deputy Engineering Manager, Attiko Metro</i>	Two Component Layer for Retrofit with Insulating and Structural Properties Dr. ANGELIKI SKAROPOULOU <i>Chemical Engineer, Laboratory of Inorganic and Analytical Chemistry, Chemical Engineering Department, National Technical University of Athens</i>
14:20	14:40	Why Ventilation? MATS SÁNDOR <i>Technical Director, Systemair</i>	Real World Driving Energy Consumption and Air Pollution Implications of Decarbonizing the Greek Transport Sector GEORGE SPYROPOULOS <i>Soft Energy Applications and Environmental Protection Laboratory, Piraeus University of Applied Sciences, Greece</i>	Façade Sun Protection System Enhanced with Phase Change Materials: A Numerical Simulation Study MAGDALINI AL FANTEL
14:40	15:00	Energy Saving Through Evaporating Cooling in Comfort and Industrial Applications LUIGI NALINI <i>Mechanical Engineer, CEO at CAREL Industries S.p.A.</i>	Transport-Related Energy Consumption and Economic Activity – To Which Extend this Relationship can be Decoupled? ATHANASIOS GALANIS <i>Department of Civil Engineering, University of Thessaly, Volos, Greece</i>	A Review of Glazed Constructions with Phase Change Materials PETROS DALAVOURAS <i>Architect</i>
15:00	15:20	Biomass District Heating Systems Design: The Grevena City Case Study EFTHYMIOS GIAGOZOGLU <i>Mechanical Engineer, M.Sc., Project Manager at the Regional Development Agency of West Macedonia (ANKO) S.A</i>	Investigation into the Electrification of Greek Rail Network: Energy and CO ₂ Considerations Dr. THEODOROS PAPPAS <i>Heriot-Watt University - Piraeus University of Applied Sciences</i>	Thermal Insulating Geopolymers Based on Inorganic Foaming Dr. DIMITRIOS KIOUPIS <i>Chemical Engineer, Laboratory of Inorganic and Analytical Chemistry, Chemical Engineering Dpt., National Technical University of Athens</i>
15:20	15:40	Electricity Consumption Characteristics for Areas in and Around Athens Dr. BASIL PSILOGLOU <i>Senior Researcher, National Observatory of Athens, Institute for Environmental Research and Sustainable Development</i>	Well-To-Wheel Exergoenvironmental and Social Cost of Electrifying the Greek Transport Sector: The Case of the Kos – Kalymnos Complex STELIOS LIAROS <i>Mechanical Engineer M.Sc., Lab of Soft Energy Applications & Environmental Protection, Mechanical Engineering Department, Piraeus University of Applied Sciences</i>	The Effect of Vacuum Insulation Panels on the Energy Efficiency of Lightweight Steel-Framed Drywall Buildings IOANNIS ATSONIOS
15:40	16:00	TMY Performance in Calculating Building's Thermal Energy Consumption STYLIANOS LIAROS <i>Mechanical Engineer M.Sc., Lab of Soft Energy Applications & Environmental Protection, Mechanical Engineering Department, Piraeus University of Applied Sciences</i>	Alternative Fuels for Aviation: A Green Perspective for Aviation GEORGIA I. LYKOU <i>BSc, MSc, MBA, PhD Candidate, AUEB Dep. of Informatics Researcher, Head of Air Quality Office, Environmental Protection Section, HCAA, Greece</i>	TAB Techniques Within an EPC Give High Energy Savings Verified by IPMVP Tool in the Greek Energy Regulator Building Dr. MICHAELIS KARAGIORGAS <i>Energy Manager, A&B Enterprise, Athens, Greece</i>
16:00	16:30	COFFEE BREAK		
16:30	16:50	Operational Energy Savings & Embodied Energy in Hellenic Residential Buildings Dr. COSTAS A. BALARAS <i>Group Energy Conservation, Institute for Environmental Research & Sustainable Development, National Observatory of Athens</i>	Assessment of Preventive Maintenance Schedule on Metro Traction Transformers – A Probabilistic Model VASILIKI PAPADA	Visual Comfort and Energy Efficiency for User Centric Lighting Control KONSTANTINOS TSATSAKIS <i>IT & Organization Unit, Hypertech SA</i>

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16:50	17:10	Variable Capacity Refrigeration Compressors FELIPE RUIZ GUERRERO <i>International Sales Manager at Engie Refrigeration GmbH, Mechanical Engineer</i>	Experimental Investigation of a Fuel Cell Hybrid System for Transport Applications DIMITRIOS APOSTOLOU <i>B.Sc. Electrical Engineer, MSc in Energy, Research Assistant, Lab of Soft Energy Applications & Environmental Protection, Piraeus University of Applied Sciences</i>	A Demand Side Management Framework Driven by Ambient Services and Consumer Profiling KONSTANTINOS TSATSAKIS <i>IT & Organization Unit, Hypertech SA</i>
17:10	17:30	Energy Saving Techniques in Ships - Technical and Operational Measures Prof. Dr. EFTHIMIOS PARIOTIS <i>Section of Naval Architecture & Marine Engineering, Hellenic Naval Academy</i>	SOER 2008-2011: "Environment and Transport Sector" Conclusions and More Dr. JULIA F. COSTAKI <i>Hellenic Civil Aviation Authority, Athens, Greece</i>	Parametric Analysis of a Solar Cooling System Designed for Athens Climate STRATOS TZINNIS <i>School of Mechanical Engineering, Thermal Department, National Technical University of Athens</i>
17:30	17:50	Thermo-economic Exhaust Heat Recovery Analysis on Aero-Derivative Gas Turbine Using a Subcritical Steam Rankine Cycle Prof. Dr. ROUSSOS PAPAGIANNAKIS <i>Thermodynamics & I.C. Engines, Hellenic Air Force Academy, Dpt of Aeronautical Sciences, Section of Thermodynamics, Propulsion & Power Systems, Dekelia Air Force Base</i>	Discussing EC Climate and Energy Priorities for Sustainable Transport; Institutional State of the Art and Future Trends Dr. IOULIA MORAITOU <i>Institute of Regional Development, Department of Economic and Regional Development, Panteion University of Social and Political Sciences, Athens, Greece</i>	Building Energy Management Systems Using an Innovative "Smart City Platform" Prof. Dr. HARIS DOUKAS <i>Management & Decision Support Systems Laboratory, School of Electrical and Computer Engineering, National Technical University of Athens</i>
17:50	18:10		Energy & Environmental Management in Attica Tollway ELEFThERIOS ZAMPETAS <i>Mechanical Engineer, NTUA, Head of E&E/M Maintenance at ATTIKES DIADROMES S.A.</i>	Evaluation of Energy Efficiency Measures in Tertiary Sector Buildings LEONIDAS K. KONTOS <i>Electrical and Computer Engineer NTUA, MSc in Energy Heriot-Watt University of Edinburgh</i>
18:10	19:00	"ASHRAE's GLOBAL FRONTIERS – PUSHING BEYOND THE ENVELOPE" ROUND TABLE – OPEN DISCUSSION		
		★ Dr. Ioanna DELIGKIOZI ★ Prof. Dr. Essam KHALIL ★ Dr. Costas BALARAS ★ Luigi NALINI ★ Prof. Dr. Doaa Mahmood El-Sherif ★ Prof. Dr. Branko TODOROVIĆ		
		★ Farooq MEHBOOB ★ Theodoros PAPADOPOULOS ★ Prof. Dr. Marija TODOROVIĆ ★ Prof. Dr. Elias YFANTIS ★ Mats SANDOR ★ Prof. Dr. Dimitrios TSIAMITROS		
		Moderator: Dimitris A. CHARALAMBOPOULOS		

		MUSEUM - B
14:00	16:00	WORKSHOP: Measurement and Verification of Energy Savings Projects Topics on: <ul style="list-style-type: none"> • International Measurement and Verification Protocol • ASHRAE Guideline 14 Measurement of Energy, Demand and Water Savings • ISO 50015:2014 Energy management systems -- Measurement and verification of energy performance of organizations -- General principles and guidance ALKIS TRIANTAFILLOPOULOS <i>Mechanical Engineer, ASHRAE Hellenic Chapter President Elect</i> Laskos Konstantinos <i>Civil Engineer AUTH, ASHRAE BEMP, Energy Planning & Saving Consultant, Energy & Building</i>