

		INTERNATIONAL CONFERENCE "ENERGY IN BUILDINGS 2024" Europe, Middle East Africa	
		Friday November 22, 2024	
		Auditorium ARISTOTLE I Level: Basement	
13:00	13:30	Registration - Networking - Coffee Break	
		Welcome Presentations Dimitris A. Charalambopoulos, Conference General Chair Dennis Knight, ASHRAE President	
13:30	15:00	Session: Paper & Poster Session Chair:	
		<p style="color: blue;">Passivhaus: Contributing to the Decarbonisation Journey</p> Evangelia Mitsiakou <i>Msc, MArch (ARB Qualified), Passivhaus Designer, PHPP Expert, OCD & ND Energy Assessor, DEA Retrofit Assessor, Greece</i> ----- <p style="color: blue;">Field Assessment of Indoor Environmental Quality and Energy Consumption in a Hellenic Dwelling</p> Kostas G. Nikolaou <i>School of Applied Arts and Sustainable Design, Hellenic Open University, Greece</i> ----- <p style="color: blue;">Daylight and Transparency</p> Anastasios K. Boutzikas <i>Lighting Design MA, School of Applied Arts, Hellenic Open University, Patras, Greece</i> ----- <p style="color: blue;">Evaluating a Range of Fiberglass Insulation Products designed for Healthier Indoor Environments</p> Dr. Gráinne Cunniffe <i>Science Lead, Ireland</i> ----- <p style="color: blue;">The case of Planning Greece's First National Dark Sky Park</p> A. Papalambrou <i>Hellenic Open University, Patras, Greece</i> ----- <p style="color: blue;">Part-Load Based Optimization of Ejector Cooling Cycle</p> Braimakis <i>XXX, Greece</i> ----- <p style="color: blue;">Engineering & Artificial Technology</p> Christos Zoukos <i>Computer Engineer MSc Consultant at Boston Consulting Group (BCG) New York University (NYU), USA</i>	
15:00	17:00	Session: HVAC INTRODUCTORY TRAINING Chair: Stelios Lampadakis, George Pantelidis, Alkis Triantafyllopoulos	
		<p style="color: blue;">Introduction to HVAC Design part I</p> George Pantelidis <i>Mechanical Engineer, MSc, EUREM, Head of Design and Projects, ZEB SA Greece</i> ----- <p style="color: blue;">Introduction to HVAC Design part II</p> Alkis Triantafyllopoulos <i>Mechanical Engineer, MSc, Mechanical Engineer, MSc in Energy Engineering, ASHRAE Global Trainer</i>	
17:00	18:00	Session: ASHRE HELLENIC CHAPTER CAREER DAY	



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Saturday November 23, 2024

		Auditorium PARTHENON I Level: Ground	Auditorium PARTHENON II Level: Ground
09:00	09:30	Registration	
09:30	10:00	<p style="text-align: center;"><u>Welcome Presentations</u></p> <p style="text-align: center;">Dimitris A. Charalambopoulos, Conference General Chair Dennis Knight, ASHRAE President Ioannis Ladopoulos, Vice President Hellenic Association of Consulting Firms</p>	
10:00	11:00	<p style="text-align: center;">KEYNOTE ADDRESS</p> <p style="text-align: center;">Empowering Our Workforce: Building a Sustainable Future. Dennis Knight <i>ASHRAE President</i></p> <p style="text-align: center;">-----</p> <p style="text-align: center;">Achieving Net Zero Operation in an Existing Building Retrofit – The ASHRAE Headquarters Experience Darryl Boyce <i>P.Eng., Fellow ASHRAE, Canada ASHRAE Presidential Member 2019-20</i></p>	
11:00	11:30	Coffee Break	
11:30	13:30	<p>Session: RESILIENCE & INFRASTRUCTURE Chair: Pantelidis, Gartzounis</p> <p>A Systematic Approach for Assessing Climate Resilient Buildings and Cities Dr. Costas Balaras <i>Mechanical Engineer, Ph.D. FASHRAE, Research Director at IERSD-NOA, Athens, Greece</i></p> <p>-----</p> <p>Thermal Comfort in a Changing Climate Dr. Anastasia Mylona <i>CEng, MCIBSE, Technical Director CIBSE, UK</i></p> <p>-----</p> <p>How to Address Requirements for Physical Climate Risks to Enhance Buildings Resilience Dr. Thodoris Katopodis <i>Mechanical Engineer, Ernst & Young, Greece</i></p> <p>-----</p> <p>Connecting the Dots from SDGs to Enterprise-Level Sustainability and ESG: A Double Materiality Necessity Elpi Karabali <i>Senior Expert, Risk, Regulation & Reporting MSc, MRes, Executive MBA, Certified Risk Professional, Premium Business Partner Capa Epsilon OSP</i></p> <p>-----</p> <p>Energy Interventions that Contribute to the Climate-Proofing of Buildings on Multiple Scales Dr. Maria Gavrouzou <i>Physicist, Associate Researcher, NCSR Demokritos, Greece</i></p>	<p>Session: DECARBONIZATION Chair: Alkis Triantafyllopoulos, Antonia Tritou</p> <p>Does Hvac System Selection with Decarbonization Considerations Work? Doug Cochrane <i>P.Eng., LEED AP, MAshrae, ASHRAE Director at Large (DAL) 2023-2026, Canada</i></p> <p>-----</p> <p>Does Greece Need Nuclear Energy ? Thomas Lamnidis <i>Lamnidis Law, Universite' Libre de Bruxelles, Belgium</i></p> <p>-----</p> <p>Investment Opportunities in High Performance Buildings Aris Papadopoulos <i>President & CEO ZEB SA</i></p> <p>-----</p> <p>Energy Study and Upgrading of a Secondary Education School Building with the Aim of Creating a Zero Carbon Emissions School Building Prof. Argyro Dimoudi PhD <i>Director, Laboratory of Environmental & Energy Design of Buildings and Settlements, Democritus University of Thrace, Greece</i></p> <p>-----</p> <p>Carbon Sequestration Janice K. Means <i>PE, LEED AP, FASHRAE, FESD Professor Emerita, Lawrence Technological University, Michigan, USA</i></p>

13:30	14:30	Lunch	
		Session: HEALTH & SAFETY Chair: Zoukos, Develekou, Lampadakis	Session: SUSTAINABILITY - DIGITAL ENVIRONMENT Chair: Triantafyllopoulos, Georgakakou, Tritou
14:30	16:30	<p>Impact of Climate change policies on IAQ and health Prof. Sani Dimitroulopoulou, PhD <i>Principal Environmental Public Health Specialist – Indoor Environments, Air Quality and Public Health, UK Health Security Agency</i></p> <p>-----</p> <p>tbc</p> <p>Dr. John McKeon MD <i>CEO of Allergy Standards Ltd, Principal at Indoor Air Innovation and Research (IAIR) Institute</i></p> <p>-----</p> <p>Making Surgery a Safer Place for Everyone Dr. Sofia Balamoti MD <i>LITO Hospital, Greece</i></p> <p>-----</p> <p>Reducing Hospital -Acquired Infections with Artificial Intelligence Takis Kotis <i>CEO, Cambridge Medical Academy, Cambridge, United Kingdom</i></p> <p>-----</p> <p>Workplace Safety for Energy-Efficient Retrofitting Projects Alexandros Sofianopoulos <i>COO, GEPGroup, Greece</i></p> <p>-----</p> <p>Innovative Approaches to Optimizing Indoor Environmental Quality Prof. Aleksandar Andjelkovic, PhD <i>Mechanical Engineer, Director of Energy Innovation Center, Head of Thermal Engineering Chair & Laboratory, Faculty of Technical Sciences, University of Novi Sad, Serbia</i></p>	<p>Trends: Buildings, Technologies and Tools Dr. Drury B. Crawley <i>AIA, Fellow ASHRAE, BEMP, Director, Bentley Systems, Inc.</i></p> <p>-----</p> <p>Digital Technologies and Future of Buildings Charis Toloumis <i>Head of Business Unit Smart Infrastructure Buildings for Greece, Siemens, responsible for Digital & Software for Business Unit Smart Infrastructure Buildings Lead Country Italy</i></p> <p>-----</p> <p>Reporting First, Sustainability Second? Ensuring Accurate, Verifiable EPDs and LCAs for HVAC Products Dominik Flikweert <i>Head of Public Affairs EMEA, Senior Group Public Affairs Manager, at Systemair AB, Sweden</i></p> <p>-----</p> <p>Developing Smart Building Technology Modules to Enhance Workforce Preparedness: A Case for AI-Driven Academic and Professional Education Filza.H. Walters <i>Multidiciplinary Engineering Department, Texas A&M University, USA</i></p> <p>-----</p> <p>Acoustics in Plumbing piping systems Mathias Riggenschach <i>Head of Product Management Drainage and Supply Systems - Geberit International Sales Msc, MArch (ARB Qualified), Passivhaus Designer, PHPP Expert, OCD & ND Energy Assessor, DEA Retrofit Assessor, Switzerland</i></p>
16:30	17:00	Coffee Break	
		Session: HEALTH & SAFETY (cont.) Chair:	Session: POLICIES & LEGISLATION Chair: Chrysostomos Bouras, Marios Tsakiris
17:00	18:00	<p style="text-align: center;">FORUM HEALTH & SAFETY</p> <p>Panel:</p> <ul style="list-style-type: none"> o Dennis Knight o Dr. Costas Balaras o Dr. Sani Dimitroulopoulou o Dr. John McKeon MD o Dr. Sofia Balamoti MD o Anastasia Mylona o Thomas Lamnidis <p>Moderator</p> <ul style="list-style-type: none"> o Dimitris Charalambopoulos 	<p>The Role of Certification In Building Sustainability Dr. Ali Nour Eddine <i>M.E., Senior Technical Manager at Eurovent Certification, Paris, France</i></p> <p>-----</p> <p>Beyond Energy Efficiency: Creating Thriving Indoor Environments Sotirios Papanthasiou <i>Lead Author and Founder of Global Open Air Quality Standards, Spain</i></p> <p>-----</p> <p>tbc</p> <p>Alexandra Kornilaki <i>Lawyer, Greece</i></p>