





# CONFERENCE SCHEDULE

 	REGION XIV – CRC2019	 
	ENERGY in BUILDINGS / ENERGY in TRANSPORTATION	

**Thursday September 26, 2019**

		ATHINA Level: 1 <sup>st</sup> floor	FOYER Level: 1 <sup>st</sup> floor	HERA 1 Level: 1 <sup>st</sup> floor	HERA 2 Level: 1 <sup>st</sup> floor	ZEUS – 1 Level: Basement	ZEUS – 2 Level: Basement
08:00	08:30	Registration & Welcome					
08:30	09:00	Plenary - CRC Open Ceremony - Welcome Presentations Dr. Costas Balaras, DRC, ASHRAE Region XIV William Dean, Vice President, ASHRAE Dimitris A. Charalambopoulos, Conference General Chair					
09:00	10:30	<b>CRC TECH-TRAINING</b> Efficient HVAC installations by handling the medium according to VDI 2035, by using pressure keeping, sludge removal and degassing systems  <b>Ioannis Lappas</b> <i>Director of the Market Segment of Building Service, WILO</i>	Sponsors area				
10:30	11:00	Coffee Break					
11:00	12:00	<b>CRC TRAINING</b> A Brief Look at IgCC and Standard 189.1 <b>Thomas Lawrence</b> <i>Professor of Practice, College of Engineering, The University of Georgia, Athens, GA</i>	Sponsors area	<b>CRC TECH-TRAINING</b> Hot Climate Design Guide <b>Frank Mills</b> <i>Technical Director, Sustainability, Energy, Sustainability Building Services Engineering and Fire Engineering expertise</i>			
12:00	13:00	<b>CRC TRAINING</b> Building Performance Simulation: What's in the Black Box? <b>Drury Crawley</b> <i>FASHRAE, BEMP, FIBPSA, AIA, Affil. CIBSE Bentley Fellow /Director, Building Performance Research, Bentley Systems</i>					
13:00	14:00	Lunch					

# CONFERENCE SCHEDULE

14:00	16:00	<b>CRC TRAINING</b> <b>FIRE &amp; SMOKE CONTROL</b> The ventilation of a building with the "eyes" of a firefighter <b>Dr. Michalis Chalaris</b> <i>Fire Protection Officer Professor of Greek Fire Academy, Former General Secretary of the Labor Inspectorate</i> --- Fire & Smoke Protection in Buildings <b>Lambis Sakellariou</b> <i>Mechanical Engineer MSc., Managing Director, Scantech, Athens-Greece</i> --- Design variations on markets DE/CHE/AUT for EN 12101-6 Specification for pressure differential systems <b>Reiner Kelch</b> <i>Bereichsleiter / Director Systems and Applications Systemair GmbH</i> --- Changes and Improvements to the New Fire Protection Regulation <b>Dr. Yiannis Kontoulis</b> <i>President, Hellenic Institute of Fire Safety of Structures</i>	Sponsors area	<b>CRC TRAINING</b> <b>CESBA MED SUSTAINABLE MED CITIES</b> <b>Dr. Costas Balaras</b> <i>Mechanical Engineer, FASHRAE, Research Director, Group Energy Conservation, Institute for Environmental Research &amp; Sustainable Development, National Observatory of Athens</i> --- <b>Popi Droutsas, M.SC.</b> <i>Research Assistant, Group Energy Conservation, Institute for Environmental Research &amp; Sustainable Development, National Observatory of Athens</i>			
		16:00		16:30	Coffee Break		
16:30	18:00	<b>CRC TRAINING</b> <b>FIRE &amp; SMOKE CONTROL</b>  Continued	Sponsors area	<b>CRC TRAINING</b> <b>CESBA MED SUSTAINABLE MED CITIES</b>  Continued			
		18:00		19:00	Meet & Greet		
19:00	20:00						
20:00	22:30	Dinner + Athens by night tour					





\*EinB2019: 8<sup>th</sup> International Conference "Energy in Buildings 2019"

\*EinT2019: 4<sup>th</sup> International Conference "Energy in Transportation 2019"

\*CRC2019: ASHRAE Region XIV – Chapter Regional Conference

• Attendance **strictly** by registration at [crc.ashrae.gr](http://crc.ashrae.gr)

# CONFERENCE SCHEDULE

 	<b>ASHRAE REGION XIV – CRC2019</b>	 
	<b>ENERGY in BUILDINGS / ENERGY in TRANSPORTATION</b>	

**Friday September 27, 2019**

		<b>ATHINA</b> Level: 1 <sup>st</sup> floor	<b>FOYER</b> Level: 1 <sup>st</sup> floor	<b>HERA 1</b> Level: 1 <sup>st</sup> floor	<b>HERA 2</b> Level: 1 <sup>st</sup> floor	<b>ZEUS – 1</b> Level: Basement	<b>ZEUS – 2</b> Level: Basement
08:30	09:00	Registration & Welcome					
09:00	09:30	Plenary - Welcome Presentations Darryl Boyce, President, ASHRAE Dr. Eleftherios Bourdakis, European Commission Policy Officer					
09:30	10:00	Commissioning: Best Practice to Deliver Fit for Purpose Buildings <b>Andrés Sepúlveda</b> <i>Chemical Engineer IFL MBA, Madrid Politechnic University, Commtech Commissioning Services CEO</i>	<b>SPONSORS AREA</b>				
10:00	10:30	Sublime chaos in construction: Each profession and trade as a strange and dominant attractor <b>Richard Rooley</b> <i>Consulting Engineer FREng FASHRAE, ASHRAE Presidential Member</i>		How to Use Emotional Intelligence to Become a Better Person Professionally and Personally <b>Karine Leblanc</b> <i>Mechanical Engineer, HVAC sales engineer</i>			
10:30	11:00	Coffee Break					
11:00	13:00	<div style="background-color: #0056b3; color: white; padding: 2px; text-align: center;"> <b>Special Session</b>  <b>Resilience &amp; Sustainability</b> </div> Resilience in Building Design to Support a Sustainable Society <b>Prof. Thomas Lawrence</b> <i>Professor of Practice, College of Engineering, University of Georgia</i> --- Resilient and Sustainable Development: How could Cities Function within the Planet's Safe Operating Space <b>Dr. Heleni Pantelidou</b> <i>Civil Engineer PhD, CEng MICE, Associate Director, Regional Sustainability Skills Leader at Arup, London, United Kingdom</i>	<b>SPONSORS AREA</b>				<div style="border-top: 1px solid black; padding-top: 5px;"> <b>CRC TECH-TRAINING</b>                      Hospital Ventilation and HVAC/Energy  <b>Frank Mills</b>  <i>Technical Director, Sustainability, Energy, Sustainability Building Services Engineering and Fire Engineering expertise</i> </div>

# CONFERENCE SCHEDULE





		<p>--- Big, Smart, and Everything: Data, Technology, Buildings, Cities, and the IoT <b>Dr. Drury Crawley</b> <i>FASHRAE, BEMP, FIBPSA, AIA, Bentley Fellow/Director, Building Performance Research, Bentley Systems, Inc.</i></p> <p>--- A Holistic View of the Health and Wellbeing Benefits from Providing Quality Indoor Environments: Public Health Perspective <b>Dr. Sani Dimitroulopoulou</b> <i>Principal Environmental Public Health Scientist – Indoor Environments, Air Quality and Public Health, Public Health England</i></p>					
13:00	14:00	Lunch				<p>Lunch</p> <p><b>ASHRAE CRC2019</b></p> <p>NOMINATING COMMITTEE - CAUCUS (EXECUTIVE SESSION)</p>	Lunch
14:00	14:30	<p><b>Special Session</b> Resilience &amp; Sustainability</p> <p><b>Open Discussion</b></p>	<p><b>SPONSORS AREA</b></p>				<p>The Interaction Between Human &amp; Artificial Intelligence: Philosophical Aspects <b>Prof. Dr. Maria Venieri</b> <i>Department of Philosophy &amp; Social Studies, Univ. of Crete</i></p>
14:30	15:00	<p>Chilled water air conditioning loops and the role of pump in the primary and secondary loops <b>Ioannis Lappas</b> <i>Director of the Market Segment of Building Service, WILO</i></p>					<p>Latest Developments in Transcritical Refrigeration <b>Kenneth B. Madsen</b> <i>Mechanical Engineer, Business Development manager, Advansor, Aarhus, Denmark</i></p>
15:00	15:30	<p>Everyone Communicates, Few Connect <b>Karine Leblanc</b> <i>Mechanical Engineer, HVAC sales engineer</i></p>					
15:30	16:00						
16:00	16:30	Coffee Break					
16:30	18:00		<p><b>SPONSORS AREA</b></p>				<p><b>ASHRAE CRC2019</b> EXECUTIVE REGIONAL PLANNING</p>

# CONFERENCE SCHEDULE

18:00	19:00						<u>ASHRAE CRC2019</u> ORIENTATION
19:00	19:30						<u>ASHRAE CRC2019</u> MOTION IMPROVEMENT WORKSHOP
19:30	20:30						
20:30	22:30	<b>Welcome Party</b>					

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# CONFERENCE SCHEDULE

 	<b>ASHRAE REGION XIV – CRC2019</b>	 
	<b>ENERGY in BUILDINGS / ENERGY in TRANSPORTATION</b>	

## Saturday September 28, 2019

		ATHINA Level: 1 <sup>st</sup> floor	FOYER Level: 1 <sup>st</sup> floor	HERA 1 Level: 1 <sup>st</sup> floor	HERA 2 Level: 1 <sup>st</sup> floor	ZEUS – 1 Level: Basement	ZEUS – 2 Level: Basement
08:00	09:00	Registration & Welcome					
09:00	10:00	Plenary – EinB/EinT Open Ceremony - Welcome Presentations Darryl Boyce, President, ASHRAE Vice Admiral Nikolaos Tsounis HN, Chief, Hellenic Navy General Staff Dr. Eleftherios Bourdakis, European Commission Policy Officer					
10:00	10:30	Experimental Performance Evaluation of an Integrated Solar System in Terms of Thermal Storage and Cooling Capacity <b>Prof. Dr. Irene Koronaki</b> <i>Mechanical Engineer, Thermal Section, School of Mechanical Engineering, National Technical University of Athens</i>	<b>SPONSORS AREA &amp; POSTER AREA</b>  <b>POSTERS</b> Psychological Impact of Lighting in Living Conditions <b>Eirini Kontopoulou</b> Architect Engineer	Embodied Energy of Building Materials in Hellenic Dwellings: Quantifying the Effect of Construction Date <b>Prof. Dr. Dimitrios Koubogiannis</b> <i>Department of Naval Architecture, School of Engineering, University of West Attica, Athens, Greece</i>	<b>SHORT COURSE</b> <b>DEHUMIDIFICATION</b> <b>Alkis Triantafyllopoulos</b> Mechanical Engineer, Vice President, ASHRAE Hellenic Chapter --- <b>Dimitris Dalavouras</b> MBA, Ph.D. (c), ASHRAE Certified OPMP & CPMP, Technical Manager at General Refrigeration SA		Energy Benchmarking of Hellenic Non-Residential Buildings <b>Popi Droutsas</b> <i>Research Assistant, Institute for Environmental Research &amp; Sustainable Development NOA</i>
10:30	11:00	Coffee Break					
11:00	11:30	Intelligent Control Valves for HVAC Systems <b>Jörg Scherrer</b> Mechanical Engineer FH, EMBA, Product Manager at Belimo Automation AG, Hinwil, Switzerland	<b>SPONSORS AREA &amp; POSTER AREA</b>  <b>POSTERS</b> Light Games with Textiles and Printed Boxes, Light Art and Celebration <b>Lia Michali</b> Physicist ---	<div style="background-color: #0056b3; color: white; padding: 2px;"><b>Horizon Europe</b></div> Horizon Europe and a New Way to Build <b>Dr. Eleftherios Bourdakis</b> <i>European Commission Policy Officer on Energy Efficient Buildings at DG RTD</i>	Sustainable Transportation Planning and Traffic Noise in Urban Environment: Case Survey in a Typical Mid-Sized Greek City <b>Dr. Athanasios Galanis</b> <i>Assistant Professor, International Hellenic University, Department of Civil Engineering, Serres, Greece</i>	<b>ASHRAE CRC2019</b> BUSINESS MEETING	An EU Interministerial Action for supporting consumers to compare the prices of alternative fuels <b>Dr. Konstantinos Kollias</b>
11:30	12:00	The Balance between Visual Comfort and Energy Efficiency <b>Henrick Clausen</b>	<b>SPONSORS AREA &amp; POSTER AREA</b>	<b>WORKSHOP</b> Research and Innovation in	Behavior of Motorcycle Riders in the Daytime and Nighttime Lighting Conditions		Validation of a Control Algorithm for the Efficient Charging of PCM Energy

# CONFERENCE SCHEDULE

		Director, Fagerhult Lighting Academy	<p><b>POSTERS</b></p> <p>Lighting Design for the Visually Impaired</p> <p><b>Eleni Patroni</b> <i>Architect Engineer</i></p> <p>---</p> <p>Defining Spectral Bands for Assessing the Impact of Lighting on Health and the Environment</p> <p><b>Alexios Papacharalampopoulos</b> <i>Architect, Lighting Designer</i></p> <p>---</p> <p>Lighting Workshop: Architectural Lighting Design Principles</p> <p><b>Christina Skandali</b></p> <p>---</p>	<p>Thermal Storage and Plus Energy Buildings</p> <p>Sustainable Plus Energy Neighbourhoods-syn.ikia H2020 project</p> <p><b>Dr. Niki GAITANI</b> <i>Senior Researcher &amp; Project Manager, Norwegian University of Science and Technology</i></p>	<p><b>Dr. Panagiotis Lemonakis</b> <i>Researcher, Department of Civil Engineering Laboratory of Highway Engineering, University of Thessaly</i></p>		<p>Storage Tanks using an Emulation Platform</p> <p><b>Ioannis Konstantaras</b> <i>Research Assistant in Energy and Environmental Research Laboratory, National &amp; Kapodistrian University of Athens (NKUA)</i></p>	
12:00	12:30	The Balance between Visual Comfort and Energy Efficiency <b>Henrick Clausen</b> <i>Director, Fagerhult Lighting Academy</i>		<p>Thermal Energy Storage an Overview of one Advanced System Based on the European TESSE2B Project</p> <p><b>Prof. Luis COELHO</b> <i>Mechanical Engineering Dpt. of Escola Superior de Tecnologia of Polytechnic Institute of Setúbal</i></p>	<p>Net Zero Hospitals</p> <p><b>Frank Mills</b> <i>Mechanical Engineer, Principal, Frank Mills Consulting Ltd</i></p>		<p>Biomimetic Principles for Energy Efficiency in Buildings</p> <p><b>Dr Ioanna Symeonidou</b> <i>Architect Engineer, Assistant Professor, Department of Architecture, University of Thessaly</i></p>	
12:30	13:00			<p>Heat4Cool: Smart Retrofitting of Heating and Cooling Systems in Buildings</p> <p><b>Marcello APRILE</b> <i>Researcher, Politecnico di Milano, Italy</i></p>	<p>Net Zero Hospitals</p> <p><b>Frank Mills</b> <i>Mechanical Engineer, Principal, Frank Mills Consulting Ltd</i></p>		<p>Graphene-Based Phase Change Composite Nano-Materials for Thermal Storage Applications</p> <p><b>Amanda Rebola</b></p>	
13:00	14:00	Lunch						Lunch
14:00	14:30	Shelters for Monuments: Contribution to Sustainable Management and Future Heritage Preservation <b>Vanta-Vassiliki Kyriakou</b> <i>Architect Engineer, MSc. Energy Systems, MSc. Environmental Planning, PhD (c). Department of Civil Engineering, DUTH</i>	<p><b>SPONSORS AREA &amp; POSTER AREA</b></p> <p><b>POSTERS</b></p> <p>Light Qualities in Ancient and Modern Times: A Creative Comparison as Visual Prism at Contemporary Lighting Systems Design</p> <p><b>Athena Sivi</b> <i>Electrical &amp; Computer Engineer</i></p> <p>---</p> <p>Design of thermoplastic tanks for thermal energy storage applications using Finite Element Analysis</p> <p><b>Christos Pagkalos</b> <i>Research Assistant in Energy and Environmental Research Laboratory,</i></p>	<p>EXCESS (Energy fleXible user-CEntric poSitive houseS) H2020 Project</p> <p><b>Tasos Tsitsanis</b> <i>Electrical and Computer Engineer, MSc in Energy and Environmental Management</i></p>	<p>Low GWP Refrigerants for NEW Chiller Generation</p> <p><b>Emiliano Pellis</b> <i>Mechanical Engineer, Export Area Manager, CLINT / G.I. INDUSTRIAL HOLDING SpA</i></p>	<p><b>ASHRAE CRC2019</b></p> <p>PRESIDENTIAL LUNCH AWARDS CEREMONY</p>	<p>Towards the definition of a BIM based framework for Efficient Renovation in Buildings</p> <p><b>Spiros Kousouris</b> <i>Civil Engineer, Project Manager at Suite5 Data Intelligence Solutions Ltd., Limassol, Cyprus</i></p>	
14:30	15:00	Sustainability beyond Energy Efficiency. Healthy Buildings-WELL Certification <b>José Castilla</b> <i>Mech Engineer, LEED AP, Director of Cundall Spain</i>		<p>SCORES, Self Consumption of Renewable Energy by Hybrid Storage systems</p> <p><b>Prof. João Francisco</b> <i>Mechanical Engineer, Coordinator Professor</i></p>	<p>Developing an integrated environmental policy for ports using Multicriteria Decision Making Analysis</p> <p><b>Ioannis Argyriou</b> <i>MSc in Environmental Engineering-Water Resources and Climate Change, PhD (c), Technical University of Crete</i></p>			<p>EventMode: A Computational Design Tool for Integrating Human Activity Data within Early-Stage Daylight Performance Evaluations</p> <p><b>Panos Chatzitsakyris</b> <i>Architect, Post-doctoral researcher AUTH</i></p>

# CONFERENCE SCHEDULE

15:00	15:30	<p>Sustainability beyond Energy Efficiency. Healthy Buildings-WELL Certification</p> <p><b>José Castilla</b> <i>Mech Engineer, LEED AP, Director of Cundall Spain</i></p>	<p><i>National and Kapodistrian University of Athens</i></p> <p>The Effect of Lighting on Visually Impaired People in the Areas of Public Transportation</p> <p><b>Leonidas Zarzoulas</b> <i>Student of "Lighting Design" MA, School of Applied Arts, Hellenic Open University of Patras</i></p>	<p>Lightcoce Project: Building an Ecosystem for the Up-Scaling of Lightweight Multi-Functional Concrete and Ceramic Materials and Structures</p> <p><b>Prof. Dr. Maria Taxiarchou</b> <i>Assistant Professor, School of Mining and Metallurgical Engineering, NTUA, Athens</i></p>	<p>Design of an Eco-Racing Yacht - A Naval Approach</p> <p><b>Anastasios - Spyridon Misthos</b> <i>Naval Architect &amp; Marine Engineer, School of Naval Architecture and Marine Engineering University of West Attica</i></p>	<p>CRC2019 BUSINESS MEETING</p>	<p>A Panhellenic Social Survey (2018-9) Regarding the Quality of Life, Energy Needs and People's Attitudes Towards R.E.S.</p> <p><b>Panos Kosmopoulos</b> <i>Architect Engineer, f. Director, Laboratory of Environmental and Energy Design of Buildings and Settlements, D.U.TH.</i></p>
15:30	16:00	<p>Democratizing energy markets through flexibility-based demand response optimization services</p> <p><b>Kostas Tsatsakis</b></p>		<p><b>Workshop OPEN DISCUSSION</b></p>	<p>Data Services for the Modern Built Environment</p> <p><b>Thanos Daskalopoulos</b> <i>Survey Engineer, Chief Innovation Officer at Delphis SA, Athens, Greece</i></p>		<p>Integration of Innovative BIPV Solutions on Micro CHP Plants</p> <p><b>Dr. Konstantinos Kollias</b></p>
16:00	16:30	Coffee Break					
16:30	17:00	<p>BERONIA Winery in "La Rioja". Thermo activation of the building's structure as an essential part in the wine production process</p> <p><b>Borja Gómez Martín</b> <i>Project Director, IDOM</i></p>	<p><b>SPONSORS AREA &amp; POSTER AREA</b></p>	<p>The Energy Performance of Hospital Buildings in Greece – Towards Zero Energy Buildings</p> <p><b>Argyro Dimoudi</b> <i>Assistant Professor, Dept. of Environmental Engineering, Democritus University of Thrace, Greece</i></p>	<p>Thermal Energy Storage an Overview of one Advanced System Based on the European TESSE2B Project</p> <p><b>Prof. Luis COELHO</b> <i>Mechanical Engineering Dpt. of Escola Superior de Tecnologia of Polytechnic Institute of Setúbal</i></p>	<p><b>ASHRAE CRC2019 BUSINESS MEETING</b></p>	<p>Techno-economic assessment of a solar electric cooling heating system in Europe</p> <p><b>Aikaterini Mavrouli</b> <i>Physicist, M.Sc., Postgraduate Student, Laboratory of Stream Boilers and Thermal Plants, NTUA</i></p>
17:00	17:30	<p>BERONIA Winery in "La Rioja". Thermo activation of the building's structure as an essential part in the wine production process</p> <p><b>Sergio Arús Gutiérrez</b> <i>MSc. in Sustainable Energy Engineering, IDOM</i></p>		<p>Student Presentations from the HELLENIC STUDENT BRANCH at NTUA</p> <p>---</p> <p>Student Presentations from the HELLENIC STUDENT BRANCH at TEISTE</p>	<p>CFD Simulation on PCM Charge and Discharge Process Applied to Compact Hybrid Thermal Storage Technologies</p> <p><b>Prof. João Francisco</b> <i>Mechanical Engineer, Coordinator Professor</i></p>		<p>An empirical methodology for rating building thermal mass as energy storage system</p> <p><b>Chrysa Politi</b></p>
17:30	18:00	<p>A utility-oriented architecture towards their business transformation in an Energy-as-a-Service framework</p> <p><b>Dr. Dimitris Panopoulos</b> <i>MSc in Techno-Economic Systems and PhD in Information Technology systems</i></p>		<p>Bioclimatic Design &amp; Cities</p> <p><b>Nikolas Bamplenis</b> <i>Urban and Planning Engineer</i></p> <p><b>Petros Ioannidis</b> <i>Regional and Planning Engineer</i></p>			<p>Energy Analysis of Thermo-chromic and Electrochromic Windows in an Office Building with a Solar-Assisted Heat Pump System</p> <p><b>Mikaela D. Detsi</b> <i>Undergraduate student, School of Mechanical Engineering</i></p>
18:00	19:00	YEA / Student Mixer					



# CONFERENCE SCHEDULE

19:00	20:00	
20:00	23:00	<b>Greek Night Out</b>

## Saturday September 28, 2019

		<b>SYNDICATE 1</b> Level: 1 <sup>st</sup> floor	<b>SUITE 1</b> Level: 2 <sup>nd</sup> floor	<b>SUITE 2</b> Level: 2 <sup>nd</sup> floor	<b>SUITE 3</b> Level: 2 <sup>nd</sup> floor	<b>SYNDICATE 5</b> Level: Basement	<b>SYNDICATE 6</b> Level: Basement
08:00	09:00	<u>MP - TRAINING</u> Membership Promotion	<u>SA - TRAINING</u> Student Activities	<u>GA - TRAINING</u> Government Affairs	<u>RP - TRAINING</u> Research Promotion	<u>CTT - TRAINING</u> Chapter Technology Transfer	<u>YEA-TRAINING</u> Young Engineers in ASHRAE
09:00	10:00						
10:00	10:30						





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# CONFERENCE SCHEDULE

 	ASHRAE REGION XIV – CRC2019	 
	ENERGY in BUILDINGS / ENERGY in TRANSPORTATION	

## Sunday September 29, 2019

		ATHINA Level: 1 <sup>st</sup> floor	FOYER Level: 1 <sup>st</sup> floor	HERA 1 Level: 1 <sup>st</sup> floor	HERA 2 Level: 1 <sup>st</sup> floor	ZEUS – 1 Level: Basement	ZEUS – 2 Level: Basement
08:30	09:00	Registration					
09:00	10:00		Sponsors area			CHAPTER OPERATIONS	
10:00	10:30	Coffee Break					
10:30	13:00		Sponsors area			CRC2019 BUSINESS MEETING	
13:00	14:00	Farewell Lunch					

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### CORRESPONDING WEBSITES

ASHRAE Hellenic Chapter: [www.ashrae.gr](http://www.ashrae.gr)

ASHRAE Region XIV (Europe): [www.ashrae.eu](http://www.ashrae.eu)

ASHRAE: [www.ashrae.org](http://www.ashrae.org)

EinB2019: [www.ashrae.gr/einb2019.php](http://www.ashrae.gr/einb2019.php)

EinT2019: [www.ashrae.gr/eint2019.php](http://www.ashrae.gr/eint2019.php)