


Event:  
Date:  
Place:

**Technical Seminar**  
Thursday April 11, 2019  
Wyndham Grand Athens Hotel



<b>#</b>	<p><b>Dalavouras Dimitrios</b> Mechanical engineer NTUA, MBA,PHD can., Ashrae OPMP certified</p>	
Title:	Technical Manager at General Refrigeration SA	
email:	dimitris@general-refrigeration.gr – dimitris@grsa.gr	
Presentation title:	<b>CO<sub>2</sub> systems for energy conservation in commercial refrigeration</b>	
<p>The F-gas regulation pushes all refrigeration equipment to low GWP refrigerant alternatives. CO<sub>2</sub> is a natural refrigerant with GWP of 1, and it is constantly gaining market share in refrigeration applications. Even in warm climates that at start it was difficult for such systems to work, the new technologies used allow energy conservation of CO<sub>2</sub> systems compared to traditional refrigerant systems. Such transcritical CO<sub>2</sub> systems will be presented.</p>		
CV:		
<p><b>Education:</b> 2018 Executive MBA, University of Winchester 2012 Diploma of Mechanical Engineer, National Technical University of Athens</p> <p><b>Certifications:</b> 2017 ASHRAE Operations &amp; Performance Management Professional Certified 2016 ASHRAE Commissioning Process Management Professional Certified 2013 Member of the ASHRAE Hellenic Chapter 2010 Infrared Thermographer Level II Certified</p> <p><b>Participation in organisations:</b></p> <ul style="list-style-type: none"> <li>• ASHRAE Member</li> <li>• E-Affiliate Member of IoR (Institute of Refrigeration)</li> <li>• Lifetime member RSES (Refrigeration Service Engineers Society)</li> </ul> <p><b>Working Experience:</b> 2000- General-Refrigeration SA, Technical Manager, Design and implementation of HVAC-R installations 2015- Technical Chamber of Greece, Technical consultant, Technical chamber of Greece representative on F-gas certifications on all Greek Regions</p> <p><b>Teaching and Research experience:</b> 2019 Lecturer on conference about hotel air-conditioning on subject: "R32 as a refrigerant an its characteristics" 2018-19 ASHRAE Research Promotion Chair of the Hellenic Chapter 2018 Lecturer on webinar of Hellenic Maintenance Society on subject: "CO<sub>2</sub> as a refrigerant" 2018 Lecturer on Hellenic Chapter of ASHRAE technical seminar on subject: "Transcritical CO<sub>2</sub> systems" 2017-2018 Lecturer on refrigerists trade unions of Athens, Chania, Piraeus, Rodopi-Xanthi, Achaia-Cephalonia-Zakynthos on subject: "R32, R290, R600a, CO<sub>2</sub>" 2017 Lecturer on technical seminar of ASHRAE European Region on subject: "CO<sub>2</sub> Re-invented" 2016-2018 ASHRAE Membership Promotion Chair of the Hellenic Chapter</p>		

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### **Publications:**

2018 Journal "The refrigeration technician", «Evaporator dT and humidity control on cold rooms»

2017 Journal "The refrigeration technician", «Vacuum on a refrigeration system»

2016 Journal "The refrigeration technician", «Piping sizing on a refrigeration system»

2009 Journal "The refrigeration technician news", «Cascade refrigeration systems»

### **Computer Knowledge:**

Autodesk Autocad

Microsoft Office

Adobe Photoshop

Special design programs about HVAC-R installations

### **Foreign languages:**

English: Proficiency.