



# KLIMA FORUM2017.

6th. Forum on Refrigeration, Air-Conditioning and Ventilation

Croatia, Osijek, The "Osijek" Hotel, October, 4th. - 5th. 2017

## Programme

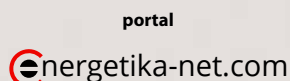
Organizers:



Patrons:



Media coverage:



9:00 - 10:00 gathering and registration of participants

10:00 - 12:00 **The 1st. Thematic Chapter: Globally & Locally**

- welcome speeches from the Organizer and patrons

**Marco BUONI**, Air Conditioning and Refrigeration European Association (AREA) aisbl, Bruxelles, Belgija  
THE F-GAS REGULATION HAS BROUGHT MANY CHALLENGES (introductory videomessage)

**Snježana ILIČIĆ, dipl. ing.**, Ministarstvo zaštite okoliša i energetike, Zagreb  
WHAT DOES THE KIGALI AMENDMENT MEAN FOR THE COOLING SECTOR?

**prof. em. Tonko ĆURKO, dipl. ing.**, Hrvatska udruga za rashladnu i klima-tehniku i dizalice topline, Zagreb  
THE IMPLEMENTATION OF THE F-GAS REGULATION AND PREPARATION FOR THE LOW GWP REFRIGERANTS  
PROGRAMME - A PRESENT STATUS IN EUROPE AND CROATIA

**Damir ŽILIĆ, dipl. ing.**, Beijer Ref AB, Zagreb  
COOLING IN FOOD RETAIL SECTOR AFTER THE IMPLEMENTATION OF THE F-GAS REGULATION

**Ivan UZBAŠIĆ, mag. ing. mech.**, Danfoss d.o.o., Zagreb  
ALTERNATIVE REFRIGERANTS AND COMPARISON WITH THE PRESENT AVAILABLE COOLING SYSTEMS USING  
R 404A

**Tanja BANAY, dipl. ing.**, Daikin Hrvatska d.o.o., Zagreb  
R 32 - A REFRIGERANT FOR THE FUTURE

**prof. dr. sc. Vladimir SOLDO, dipl. ing. i Luka BOBAN, mag. ing. mech.**, Sveučilište u Zagrebu, Fakultet  
strojarstva i brodogradnje, Zagreb i **Gastone DALLA LIBERA, mag. ing. mech.**, Università degli Studi di  
Padova, Dipartimento di Ingegneria Industriale, Padova, Italija  
TESTING AND IMPLEMENTATION OF THE LOW CARBON DIOXIDE EMISSION REFRIGERANTS

**Krešimir MATKOVIĆ, dipl. ing.**, Microclima d.o.o., Bestovje  
THE F-GAS REGULATION AND AN EXAMPLE FOR SOLUTION

- discussion

12:00 - 12:30 coffee break by  **Microclima**

12:30 - 14:00 **The 2nd. Thematic Chapter: Ventilation & Airconditioning**

**a representative**, Ministarstvo gospodarstva, poduzetništva i obrta, Zagreb  
A PRESENTATION ON ECO-DESIGN DIRECTIVE

**Goran JERBIĆ, mag. ing. mech.**, Panasonic Marketing Europe GmbH, Podružnica Zagreb, Zagreb  
THE NEW, SEVENTH GENERATION OF THE LEADING VRF SYSTEMS - BUILT-IN INTEGRATION WITH THE NEW  
REGULATION SYSTEMS

**Darko MARČINKO, dipl. ing.**, Klimaoprema d.d., Samobor  
A SOLUTION FOR THE KITCHEN HOODS' SUCTION SYSTEMS

**Goran STANIŠIĆ, ing.**, ITS Consulting d.o.o., Zagreb  
TAILOR-MADE SOLUTIONS - TEXTIL AIR DISTRIBUTION SYSTEMS

**Mag. Mihael GRUDEN, univ. dipl. inž. str.**, Akva2012 d.o.o., Šenčur, Slovenija  
VENTILATION OF THE OCCUPATION ZONES IN PRESENT BUILDINGS

- discussion

14:00 - 14:45 lunch

14:45 - 15:45 **The 3rd. Thematic Chapter: Regulation & Control**

**Hrvoje ŠOLMAN, dipl. ing.**, Arctis d.o.o., Zagreb  
WHAT IS BIM?

**Samo ŠMID, univ. dipl. inž. str.**, Belimo AG, Tehnična pisarna v Sloveniji, Kranj, Slovenija  
HOW TO SOLVE THE LOW DELTA T SYNDROME?

**Vanja HARTMAN, dipl. ing. i Ana PAVLINUŠIĆ, mag. ing. el. techn. inf.**, HEP ESCO d.o.o., Zagreb  
AN EFFICIENT COMPUTER BUSINESS APPLICATION FOR ENERGY MANAGEMENT

**Leon LEPOŠA, mag. ing. mech. i mr. sc. Ivona ŠTRITOF, dipl. ing.**, Hrvatska elektroprivreda d.d., Zagreb  
**i mr. sc. Tomislav STAŠIĆ, dipl. ing.**, HEP ESCO d.o.o., Zagreb  
WITH THE ENERGY EFFICIENT BUILDINGS MANAGEMENT TOWARDS ADVANCED CITY

**Renato KRIKŠIĆ, HFC Grupa d.o.o., Zagreb**  
KNX - A STANDARD FOR INTELLIGENT CONTROL AND AUTOMATION

- discussion

17:00 - 22:00 a city tour and dinner with a programme

9:00 - 10:30 **The 4th. Thematic Chapter: Projects & Solutions**

**Darko PREBEG, dipl. ing.,** Tehnička škola Čakovec, Čakovec  
MICROCHANNEL TECHNOLOGY IN AIRCONDITIONING

**Robert HORVATH, dipl. ing.,** Air-Cond Klimaanlagen-Handelsgesellschaft m.b.H. - Toshiba, Graz-Seiersberg, Austrija  
KWITH COMMUNICATION TOWARDS OPTIMAL SOLUTION

**Ante ĆURKO, mag. ing. mech.,** Daikin Hrvatska d.o.o., Zagreb  
A MOVIE BY DAIKIN (videopresentation)

**Frano MIKULIĆ, dipl. ing.,** Međunarodna zračna luka Zagreb d.d., Velika Gorica  
THE INFRASTRUCTURE PROJECT OF THE DECADE IN CROATIA

**Goran ŠARČEVIĆ, dipl. ing.,** Jadran - Galenski laboratorij d.d., Rijeka  
AN EFFICIENT COOLING IN A PRODUCTION PLANT

**Krešimir PEĆAR, dipl. ing.,** Hidroenerga d.o.o., Osijek i **Robert ŠPOLJARIĆ, dipl. ing.,** Nabla-Slavonija d.o.o., Višnjevac

INDUSTRY COOLING OF THE SAFE ROOM FOR THE ACCOMODATION OF SERVERS, COMMUNICATION EQUIPMENT AND BACKUP SYSTEM

- discussion

10:30 - 11:00 coffee break

11:00 - 12:30 **The 5th. Thematic Chapter: Renovation & Modernization**

**a representative,** Ministarstvo graditeljstva i prostornog uređenja, Zagreb  
A PRESENTATION FROM THE MINISTRY OF CONSTRUCTION AND PHYSICAL PLANNING

**Ivan HORVAT, mag. ing. mech. i prof. dr. sc. Damir DOVIĆ, dipl. ing.,** Sveučilište u Zagrebu, Fakultet strojarstva i brodogradnje, Zagreb

METHODS AND TOOLS FOR THE CALCULATION OF THE ENERGY PROPERTIES OF BUILDINGS

**Silvestar ŠANTAK, dipl. ing.,** Deltaprojekt j.d.o.o., Zagreb

PCHANGES IN THE METOD FOR CALCULATION THE ENERGY CLASS OF THE BUILDING

**Round table** - discussion with the following topics:

- energy renewal of buildings and HVAC systems
- modernization of HVAC systems
- experience and problems in realizing the projects
- possibilities for financing the energy renewal of buildings

Participants: representatives of the relevant state authorities and institutions, designers, contractors, equipment manufacturers etc.

12:30 - 13:00 coffee break

13:00 - 14:00 **The 6th. Thematic Chapter: Efficiency & Comfort**

**prof. dr. sc. Antonio PETOŠIĆ, dipl. ing.,** Sveučilište u Zagrebu, Fakultet elektrotehnike i računarstva, Zagreb  
NOISE AND ELEMENTS OF THE VENTILATION AND AIRCONDITIONING SYSTEMS

**Ivan SOLDI, univ. bacc. ing. mech.,** Sveučilište u Zagrebu, Fakultet strojarstva i brodogradnje, Zagreb, **Gastone DALLA LIBERA, mag. ing. mech.,** Università degli Studi di Padova, Dipartimento di Ingegneria Industriale, Padova, Italija, **Luka BOBAN, mag. ing. mech. i prof. dr. sc. Vladimir SOLDI, dipl. ing.,** Sveučilište u Zagrebu, Fakultet strojarstva i brodogradnje, Zagreb

AN EXPERIMENTAL AND THEORETICAL ANALYSIS OF THE PROPANE EVAPORATION IN A TUBULAR EXCHANGER

**doc. dr. sc. Hrvoje GLAVAŠ, dipl. ing.,** Sveučilište Josipa Jurja Strossmayera u Osijeku, Fakultet elektrotehnike, računarstva i informacijskih tehnologija, Osijek

A DETECTION OF THE GAS LEAKAGE USING INFRARED THERMOGRAPHY

**dr. sc. Ivica PETROVIĆ, dipl. ing.,** Hrvatski operator prijenosnog sustava d.o.o., Osijek, **dr. sc. Milan IVANOVIĆ, dipl. ing.,** Panon - institut za strateške studije, Osijek, **doc. dr. sc. Hrvoje GLAVAŠ, dipl. ing. i Filip RELIĆ, mag. ing. el.,** Fakultet elektrotehnike, računarstva i informacijskih tehnologija Sveučilišta Josipa Jurja Strossmayera u Osijeku, Osijek

AN IMPLEMENTATION OF THE FACTS DEVICES TO DIMINISH THE INFLUENCE OF AIRCONDITIONING ON A POWER SYSTEM

- discussion

14:00 - 15:30 lunch

**Note:** The Organizer keeps the right to amendmen the Programme until the Forum is held.