



uctea
chamber of mechanical engineers

12th National HVAC&R Engineering Congress (TESKON 2015) and teskon²⁰¹⁵ SODEX Exhibition



**Main Theme: Indoor Air Quality and Thermal Comfort
for Health**

APRIL 8 – 11, 2015

The Congress Venue: Tepekule Convention and Exhibition Center
Izmir, Turkey

teskon.mmo.org.tr

FIRST CALL

ABOUT THE CONGRESS



Objective

The main aim of the National HVAC&R Engineering Congresses (TESKON) is to make a contribution to the HVAC&R Engineering development . In this context;

- To introduce and discuss the scientific and technological developments on fundamental and applied research topics of the HVAC&R Engineering and the other disciplines which are interaction in.
- To discuss education, research, management, regulations and similar topics regarding the HVAC&R engineering in Turkey.
- To help spread out and application of modern knowledge and technology is the aim of this congress. Therefore, accordingly, various presentations, discussions and education platforms will be organized in the 12th TSKON congress.

CONGRESS PLATFORMS

- **Scientific Research Sessions:** In these sessions, you may present results of your **theoretical study** on fundamental research topics of HVAC&R Engineering and the other disciplines which are interaction in.
- **Technological Research Sessions:** In these sessions, you may present results of your study on **applied study** on fundamental research topics of the HVAC&R Engineering and the other disciplines which are interaction in.
- **Symposiums**
- **Seminars**
- **Courses**
- **Panels**
- **Forums**
- **Special topic meetings**

Detailed information regarding the congress platforms please visit congress web site (teskon.mmo.org.tr). Researchers, experts and practitioners who study on the HVAC&R engineering can submit their unpublished studies and case studies to the TSKON platforms.



- Theoretical and experimental studies on fundamental research fields such as heat transfer, thermodynamics, fluid mechanics, gas dynamics, psychrometry
 - Energy performance of buildings
 - Building physics
 - Thermal comfort
 - Heating
 - Indoor air quality
 - Sustainable buildings
 - System design and selection of buildings
- Installation, commissioning, operation, maintenance of buildings
 - Energy audit of buildings
- Energy efficiency in HVAC&R systems and equipment
 - Insulation
 - Energy recovery
- Hygienic HVAC&R systems
 - Clean room
 - HVAC&R
- Refrigeration systems
- Fire protection and safety systems
 - Ventilation
- Seismic safety in HVAC&R systems
 - Steam Systems
- Superheated water systems in HVAC
- Gas Systems (LPG, LNG, CNG, Natural Gas) in HVAC&R
 - Medical gas systems in HVAC&R
 - Treatment systems in HVAC&R
 - HVAC&R in tall buildings
 - Building automation
 - Kitchen HVAC&R systems
 - Laundry HVAC&R systems
 - Pool and filtration
- Applications of alternative energy sources in HVAC&R
- Applications of renewable energy sources in HVAC&R
 - Applications of energy efficiency in industry

MAIN THEME OF THE CONGRESS



WHY THERMAL COMFORT? WHY INDOOR AIR QUALITY?

It is observed that mostly **Thermal Comfort and Indoor Air Quality** terms evoke a popular technical field rather than a professional field in HVAC&R engineering. Thermal comfort is few numbers for winter and summer seasons. However, when the Indoor Air Quality is considered the answer of the question: what should the fresh air flow rate be, is sought.

Indeed the terms, “*Thermal Comfort*” and “*Indoor Air Quality*”, form the main target, DNA and core of services of HVAC&R engineers. What we fundamentally do is to engineer an indoor environment that is well-isolated from the surroundings in which human health and performance are not impacted. It is well-known by the HVAC&R engineers that how indoor and outdoor environmental factors affect the indoor environment. However, we are not very much interested in how the indoor environment affects the human health, productivity, and mood.

This circumstance is generally same for our society as well. Especially, sensitivity to polluted air is at very lower levels from both individual and organizational perspectives. There exist many number of indoor living spaces in which a person should not be in there. However, we only react when our vital functions are visibly impacted. On the other hand, we keep breathing the gases and particles without realizing that they are hazardous to our health.

To sum up, **Thermal Comfort and Indoor Air Quality** are the subjects that should not be perceived as just a few numbers by both public and HVAC&R engineers. As in all congresses, while TESKON 2015 will also include presented and discussed platforms in all areas of current research and modern technology of HVAC&R engineering, it will also include presentations and discussions on Thermal Comfort and Indoor Air Quality subjects that will increase the technological and social awareness. In this respect, we kindly invite academics, professionals, and colleagues to submit their studies emphasizing the significance of thermal comfort and indoor air quality to create healthy indoor spaces.

In addition to the symposiums of Thermal Comfort and Indoor Air Quality organized regularly in the congress, TESKON 2015 will also include symposiums and presentations in social areas such as Thermal Comfort and Indoor Air Quality in schools, hospitals, shopping malls, public transportation, and industrial facilities. Furthermore, special sessions in the fields of energy efficiency in ventilation and energy recovery technology will also be organized.

REGISTRATION FORM



Registration Fee for the 12th TESKON

UCTEA Member*	180.00 TL
Non-UCTEA Member*	250.00 TL

The Congress registration fee includes; congress attendance, proceedings (*digital source only*), congress bag, welcome reception, lunches, and coffee breaks.

(*) 10 % team discount is available for 3 or more attendees from the same organization.

Note: The attendance to the Congress Sessions is free for students, but they must have a valid student ID card (*Travel expenses, accommodation, congress bag, proceedings, lunches and dinners are not included*).

Name:

Institution:

Position:

Address:

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Office Phone: Fax:

E-mail: Cell Phone:

Invoice Information:

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Registration Type: ☐ UCTEA Member ☐ Non-UCTEA Member

Bank Account for the payment:

İş Bankası Yenişehir (Ankara) Şubesi 4218-5994223

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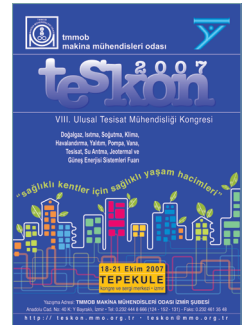
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IMPORTANT DATES & DEADLINES



October 12, 2014	Abstract Submission Deadline
November 2, 2014	Abstract Acceptance Notification
January 2, 2015	Full Paper Submission Deadline
February 2, 2015	Full Paper Acceptance Notification

Abstract and full paper submission page <http://omys.mmo.org.tr/teskon>

Accommodation and travel cost of the authors from the state universities and (Turkish) government employees will be paid by the Organization Committee. Also, registration fee of the all authors who are actually presenting the paper at the congress will be paid by the Organization Committee.

teskon+SODEX EXHIBITION

The exhibition is organised by **Hannover Messe Sodex Fuarcılık A.Ş.**

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