

## PURPOSE

The 8<sup>th</sup> National Lighting Congress and Istanbul Light Fair will be held on April 14-17, 2011, at World Trade Center Istanbul (WTCI). The congress aims to bring together people working in the research, design, application and production of lighting to engage in a productive exchange of knowledge and experience and discussions of recent developments. A special section of the congress has been reserved for the subject of LED Lighting.

## TOPICS

- Vision and Colour
- Physical Measurement of Light and Radiation
- Interior Environment and Lighting Design
- Exterior and other Lighting Applications
- Lighting and Signaling for Transport
- Photobiology and Photochemistry
- Image Technology
- General Aspects of Lighting (terminology, education, energy efficiency in lighting, lighting and health, development of light sources and luminaires, etc.)

### Special Section: LED Lighting

It is estimated that lighting accounts for almost twenty percent of total electricity consumption in the world. The European Community banned the usage of incandescent lamps over 100 W in 2009, and the production of all incandescent light bulbs may be halted by 2012. In this context, it is expected that the use of improved LEDs will increase by 30%. However, there are questions

about the degree to which newer generation LEDs will meet the needs for residential, industrial and commercial lighting.

Without a doubt, LEDs are the most popular light sources in today's lighting technology. They brought dynamism and colour to the sector with their small size, broad color palette, high power versions and 'environmentally friendly' features. We see a new application everyday arising out of developments in semiconductor technology and the growing Far East production hubs. At the 8th National Lighting Congress, LED Technology and its deployment will be examined in detail through the following questions:

- How well do LEDs perform with respect to visual comfort in interior and exterior settings when compared to alternative sources of illumination?
- What parameters must be considered when making comparisons in terms of energy efficiency?
- For which applications are given efficiency values such as 100-200 lm/W valid?
- How developed are the colour properties of LEDs?
- Do stated LED life-times correspond with luminaire life-times in practical applications?
- How can the thermal effects of high power LED applications be decreased?

We invite all interested parties to our 8<sup>th</sup> National Lighting Congress with a special section on LED Lighting, where we will search for the answers to these and similar questions.

The congress will include papers on the given topics in Turkish or English.

## IMPORTANT DATES

- **15 November 2010**  
Submission of abstracts
- **13 December 2010**  
Notification of the results of abstract evaluation
- **7 March 2011**  
Deadline for submission of final papers

Abstracts including aims, methods and expected results (min. 400 words) should be sent to the Congress Secretariat. There will be no simultaneous translation during sessions.

## REGISTRATION

The registration fee covers the proceedings, refreshments and the Opening Cocktail. Participants are requested to pay the fee to the bank account of ATMK given below and fax the receipt to the Congress Secretariat. Please fill in the registration form available at [www.atmk.org.tr](http://www.atmk.org.tr).

### Registration fee

Until 7 March 2011	50 Euro
After 8 March 2011	75 Euro

### International Bank Account No:

Türkiye İş Bankası  
Yıldız Teknik Üniversitesi Şubesi, İstanbul-Turkey  
ISBKTRIS 1199 – 24559

## SCIENTIFIC BOARD

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### Congress Secreteriat:

A.Kamuran Türkoğlu  
Emre Erkin

Aydınlatma Türk Millî Komitesi  
İstanbul Technical University  
Energy Institute  
Ayazağa Campus  
34469, Maslak – İstanbul, TURKEY

Tel : +90 212 2856050

Fax : +90 212 2856051

e-mail : atmk@itu.edu.tr

<http://www.atmk.org.tr>

# 8<sup>th</sup> NATIONAL LIGHTING CONGRESS & ISTANBUL LIGHT FAIR

April 14-17, 2011

WTCI Exhibition Hall  
Yeşilköy - İstanbul

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**FIRST CALL**

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