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**UNIVERSITATEA TEHNICĂ DIN CLUJ-NAPOCA  
Lighting Engineering Center**

**with the participation of**



**IEE programme - EnERLIIn**

**CEEX programme - CREFEN**



International  
Conference  
**ILUMINAT**  
**2 0 0 7**  
31 May - 1 June, Cluj-Napoca

## **INVITATION**

### **The 4th International Conference ILUMINAT 2007**

**Cluj-Napoca, Romania  
31 May - 1 June 2007**

#### **First announcement and Call for papers**

The conference main themes are  
**Lighting Energy Efficiency** and **New Trends in Lighting**  
developed on the following sections:

Vision and Colour  
Interior Environment and Lighting Design  
Day-Lighting and Integrated Systems  
Exterior Lighting  
Light and Architecture  
Lighting Installations  
Other Applications

The conference is open to the papers in Romanian and English - there will be simultaneous translation during sessions.

Dates: 5 March 2007 Submissions of abstracts and/or return registration form.  
19 March 2007 Notification of acceptance and instructions to prepare the papers.  
30 April 2007 Submission of final papers to be included in the Conference Proceedings.  
Late submissions may be printed in INGINERIA ILUMINATULUI journal.

The registration fee - 100 Euro - covers the proceedings, refreshments and the Opening Cocktail (30 May).  
The Official Banquet (31 May) and Farewell Party (1 June) will be offered by sponsors.

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Dr. Florin POP, Professor  
Technical University of Cluj-Napoca  
Vice-president of CNRI  
e-mail: florin.pop@insta.utcluj.ro

## CONFERENCE SECRETARIAT

Dr. Dorin BEU, Reader  
Technical University of Cluj-Napoca  
Lighting Engineering Center UTC-N  
e-mail: dorin\_beu@cluj.astral.ro

Dipl. eng. Marilena MĂIEREAN  
Energobit Schröder Lighting  
e-mail: marilena.maierean@energobit.com

## CONFERENCE OPERATOR

Cocktail Time Event Management  
1/9 Jupiter Street, RO-400492 Cluj-Napoca, Romania  
Ph./Fax: +40. 264. 438571; mob: +40. 723.709048  
e-mail: office@cocktailtime.ro  
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## Opening Lecture

Prof. Ir. Wout van BOMMEL, the President of CIE, The Netherlands  
**From Road Lighting to City Beautification**

## Invited Speakers

Professor Adriana ALEXANDRU, Coordinator of the CREFEN program, National Institute for Research and Development in Informatics - ICI -, Romania  
**Informatic integrated system for energy efficiency - CREFEN**

Dr. David CARTER, Reader, University of Liverpool, UK  
**Towards design criteria for daylight guidance systems**

Professor Luciano DI FRAIA, Università degli Studi di Napoli "Federico II", Italy  
**Installation and operating costs of road lighting systems in Italy: results from an extensive survey**

Professor Liisa HALONEN, Head of the Lighting Laboratory, Helsinki University of Technology, Finland  
**IEA Annex 45 - Energy efficient electric lighting for buildings**

Professor Koichi IKEDA, Tokyo Rika Daigaku, Japan  
**Precise light intensity distribution control of compact luminaire for multi-purpose lighting environment**

M. Sc. Andrej ORGULAN, Senior lecturer, University of Maribor, Slovenia, Acting Director of BalkanLight Society  
**Road surface reflectance and its influence on light pollution**

Dr. Janos SCHANDA, Professor emeritus of the University of Pannonia, Hungary  
**100 years solid state lighting**

Professor Ramon SAN MARTIN, Universitat Politecnica de Catalunya, Spain  
**Artificial Lighting: Health, Environment and Well-being**

Dipl. - Eng. Axel STOCKMAR, President of German CIE National Committee, Germany  
**Railway Lighting Design according to EN 12464-2 "Exterior Workplace Lighting"**

Professor Georges ZISSIS, Coordinator of the EnERLIn program, Senior member IEEE, CPAT - Toulouse 3 University, France  
**State of art of the science and technology of light sources**

## Special Session

Participation of members of the **LAEL - Light & Architectural Environment Laboratory**, Kyung Hee University, KOREA  
Director Professor Jeong Tai KIM

The 4th International Conference **ILUMINAT 2007** Cluj-Napoca, Romania will provide a unique regional forum to discuss and debate the latest developments in energy and environmental impact of lighting systems, the policies and programs adopted and planned, the strategies to be implemented to further progress, as well as the technical and commercial advances in the dissemination and penetration of energy efficiency in lighting.

The target audience represents the community of lighting professionals from Romania, European Member and Associated states and outside from EU area, including lighting and building science researchers, engineers, system designers and project managers, academia and experts, architects and urban planners, local community and government representatives, policy makers, national and international organizations and agencies, manufacturers and retailers organizations, students. The participation of young researchers will contribute to the success of the conference and to the improvement of their knowledge.

The Lighting Engineering Center of the Technical University of Cluj-Napoca (LEC UTC-N) Romania is involved in two programs for promoting lighting energy efficiency and energy saving measures in residential buildings: EnERLIn - European efficient residential lighting initiative, an EIE - SAVE program to promote Compact Fluorescent Lamps in the residential sector, and CREFEN – Integrated software system for energy efficiency and saving in residential sector, a Romanian CEEX program. There will be submitted reports on the dedicated work under the frame of these programs.

The two-day conference will include invited lectures where key representatives and high specialists will present their views, programs and research to advance energy efficiency in lighting. Dedicated sessions on specific themes and topics will allow in-depth discussions among participants. Round tables organized by the official sponsors will present the latest economic and technology achievements of national manufacturers and retailers in electric and lighting fields. The conference will allow the best knowledge of new policies and strategies to increase energy and economic efficiency, to mitigate climate change and to foster sustainable development, to build international partnerships among lighting professionals, to emphasize their cooperation.