

## Centrul de Ingineria Iluminatului – UTC-N Lighting Engineering center – LEC

Florin POP

Technical University of Cluj-Napoca

**Lighting Engineering Center - LEC** – was created following the Tempus-Phare programme CME-03551-97 [December 15, 1998 – March 14, 2000] – see the web site

<http://bavaria.utcluj.ro/~lec>].

The LEC activity was presented in the previous issues of the review (1 – 11), beginning with **April 25, 2000** when its establishment was approved by the University Senate Council until **July 2003**, the printing date of the issue no. 11 (Summer) 2003.

**22 – 23 September 2003** *MOELLER solutions in the low voltage electric network field – the most recent equipment*, a Technical Seminar in cooperation with the S.C. MOELLER Romania S.R.L.

**9 – 22 October 2003** Dr. Florin POP was invited to participate at the International Seminar **Advanced Daylighting and Architectural Lighting Systems in Architecture**. The Seminar was organized by the Light & Architectural Environment Laboratory – LAEL, Kyung Hee University, Seoul, Korea, director Prof. dr. Jeong Tai KIM. Professor Florin POP presented the conferences “Recent Research Trends on Advanced Daylighting System”, for the Master students in Architecture and “Lighting in Eastern Europe: A Romanian Case Study”, for the LAEL members.

Two agreements for university cooperation were signed: The Memorandum of Understanding between the College of Architecture and Civil Engineering, Kyung Hee University, Korea, and the Universitatea Tehnică din Cluj-Napoca, Romania and (signed by Prof. Florin POP on behalf of the Rector of UTC-N) and The Memorandum of Understanding between Light & Architectural

Environment Laboratory, Kyung Hee University and Lighting Engineering Center, Universitatea Tehnică din Cluj-Napoca. The activity of Professor Florin POP was recognised with a diploma - Award of Appreciation.

Dr. Koichi IKEDA, Professor of Illuminating Engineering, Department of Electrical Engineering, Faculty of Science and Technology hosted a short professional visit at the Tokyo Rika Daigaku, the Tokyo Electric Power Company – TEPCO and the NAIS, a very interesting Show-Room related with the energy efficient systems in buildings.

Mr. Fuam GUMIN hosted a short but very interesting and useful visit at his own company GFL Lighting and at the FUNDAN University of Shanghai.

The new links for cooperation, the reciprocal knowledge of lighting professionals, the visit on its whole were very distinguishing, due to the kindness of our hosts, and, especially, of Professor Jeong Tai KIM. Professional and personal contacts were established, creating a great opportunity for a long and profound cooperation between the university staff and students.



## Information



**KYUNG HEE University, Korea**  
College of Architecture and Civil Engineering  
Professors Florin POP, Jeong Tai KIM, Byung Ik SOH,  
Dean, and Sun Kuk KIM



Signing ceremony of the **Memorandum of Understanding** between The College of Architecture and Civil Engineering, Kyung Hee University, Korea, and The Universitatea Tehnica of Cluj-Napoca, Romania



Signing ceremony of the **Memorandum of Understanding** between The Light & Architectural Environment Laboratory - LAEL and The Lighting Engineering Center - LEC



Professors Inhan KIM (chairman, major in Architecture), Jeong Tai KIM (director of LAEL), Florin POP, Byung Ik SOH, Dean, Hee-Cheul KIM, Sun Kuk KIM (chairman, major in Architecture)



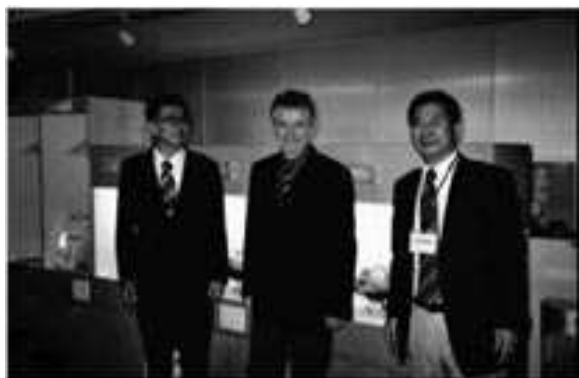
Members of LAEL, Kyung Hee University



Professors Florin POP, Jeong Tai KIM and Liana POP  
**Kyung Hee University, Central Library**



Professors Koichi IKEDA and Florin POP  
Tokyo Rika Daigaku, Central Library



Professors Koichi IKEDA, Florin POP and Mr. Yoichi MIYATA, General Manager, Life Style Laboratory Group, Marketing and Customer Relations Department  
TEPCO – Tokyo Electric Power Company



Mr. Fuam GUMIN, Professors Florin POP, Liana POP, Ding-Chang ZHU, Da Hua CHEN  
FUNDAN University Shanghai, Institute for Electric Light Sources

Dr. **Florin POP** and Dr. **Dorin BEU** contributed to the XXXVIII-th National Conference on Installations (Building Services) – National Symposium on Light and Lighting, Sinaia, October 2003, and the Inter-Ing 2003 Conference of the University of Târgu Mureş, October 2003.

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LEC members are involved in working-out of different **lighting systems optimization studies** and **lighting design projects** for local owners.

On the university cooperation field, there is continuity under the frame of the UE institutional university programmes SOCRATES - ERASMUS. There are signed Bilateral Agreements of cooperation between Universitatea Tehnică din Cluj-Napoca (Dr. Florin POP, Professor, Dr. Dorin BEU, Reader) and Helsinki University of Technology (Professor Liisa HALONEN, Lighting Laboratory), Universitat Politècnica de Catalunya (Professor Ramon SAN MARTIN, Estudios Luminotécnicos), and University of Liverpool (Dr. David CARTER, Reader, Lighting Research Unit).

The Lighting Engineering Center LEC is developing its activity on the Lighting and Electrical Installations Laboratory of the Building Services Department of the Technical University of Cluj-Napoca. The rehabilitation and technical modernization of its space was partially financed by the Tempus-Phare programme, the university resources, the funds received on the research grants, and postgraduate courses and sponsorships of lighting and electric installations companies and of former students:

**PHILIPS Romania / FLASH Transilvania**  
**OSRAM Romania**  
**TOTAL Quality / ACI Constructions and Installations**  
**LEGRAND Romania / Electro Daniella**  
**PRAGMATIC Comprest**  
**ABB Romania**  
**ELBA**