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TEN YEARS OF SUSTAINABLE LIGHTING IN TRANSYLVANIA

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The Lighting Engineering Center at the Technical University of Cluj-Napoca, Romania was established in 1999, thanks to a EU Tempus grant. The main goals are sustainable lighting dissemination and involvement in the lighting labor market (up-date, postgraduate training and PhD students) – <http://users.utcluj.ro/~lec>.

There are two highlights: the "Ingineria Iluminatului" review (now at the 23rd number) and the ILUMINAT Conference (started in 2001 and held every two years in Cluj-Napoca). The ILUMINAT conferences managed to bring in Cluj worldwide specialists and this increased the lighting knowledge in our area. In order to support the activity, the Lighting Engineering Center has participated to several European and national research programs and also was involved in major community lighting projects. The European programs were in the area of energy efficient residential lighting EnERLIn, energy efficient buildings NAS-Enerbuild, Daylight. In the lighting projects (which include a high-school, district lighting in Cluj, Dej and others), the main target was on state-of-the-art solutions with accent on energy efficiency. Also, LEC members have been present to all major lighting conference and established links with the lighting community in last years.

The paper present some interesting results of LEC research in the above mentioned European programs and lighting projects.