

Editorial

Why an International Journal of Sustainable Lighting?

Jeong Tai Kim, Dorin Beu

We all receive on our e-mail boxes informations about scientific journals, so the question may be: why another new one? First of all, is not a new one: it continues the former INGINERIA ILUMINATULUI - Journal of Lighting Engineering launched 16 years ago by Professor Florin POP. It started as a national and become a global lighting scientific journal. But as there are many excellent journals with this topic, we wanted to differentiate it after 2009, when Florin has retired. The peer-review Journal of Lighting Engineering was supposed to be the place for PhD students, but soon some of the papers were going in a new direction. In a world where lighting is changing fast, scientific journals that cover this topic should be very flexible and rapid. Accurate information from scientific papers should be available as soon as possible for other researchers, in order to avoid dead-end or to support their ideas.

So the next question could be: why Sustainable Lighting? The vision came from two extraordinary encounters: first with LONNE members and second with Professor Jeong Tai KIM team (chronological order). LONNE (<http://www.cost-lonne.eu/>) is an EU COST research programme lead by Professor Dr. Franz HÖLKER where we had the chance to meet many fascinating people from biology, astronomy, engineering, legislation, sociology and so on who all share the same passion for light/darkness. Their ideas will hardly find a place in a classic lighting research journal, despite the fact that they have a broad view of how new technology, like LED, affect us as humans or Earth as a whole. The second meeting was on the occasion of the 1st International Conference on Sustainable and Light Pollution (<http://sllp2014.org/>), organized by Professor J T KIM and his Center for Sustainable Healthy Building from Kyung Hee University, South Korea. On this occasion we both realized that we share the same vision about lighting future, so we decided to work together on the IJSL project giving a boost to our former journal. We would like to thank all the members of IJSL Editorial Board for accepting to be part of this project and also to the authors of the papers from this issue, as they trust us.

The word “sustainable” is over-used and for many people it is already tacky, but what we wanted to point with this journal is the fact that, beyond lighting technology and energy efficiency, there are many aspects that have to be addressed through multi-disciplinary solutions. New technologies may look sustainable and energy efficient, but there are many evidences that in some cases they affect human health, ecology, not mentioning astronomy. Lighting control systems open new perspectives, but sensors are still a problem and software is still difficult to use in a friendly way. In Romania, already 1% of total lamp waste is LEDs (©Recolamp) and this figure will increase in the years to come. In South Korea, commercial LED panels mounted on sidewalks or buildings created a lot of visual discomfort for people who lived next to them, so now there are new regulations in order to limit light pollution. Also we need to address topics like lighting needed for people safety and sense of security, as this is the key issue. We need many papers, from all over the world, to see the impact of lighting on sustainability, in order to help technical committees to make recommendations. We aim to see solutions and

case studies, ways to include recommendations for lighting master plans. We aim to see more papers about daylighting and real future-proof luminaires.

Additionally, we would like to continue ideas like Anniversary presentations of retired lighting personalities, scientific events and comments on lighting books.

We hope that our readers will agree that this journal is a better one, with a new vision!

Editors-in-Chief

Jeong Tai Kim (Ph.D., Professor and Director)
Kyung Hee University
Republic of Korea
Tel.: +82 31 201 2539.
E-mail address: jtkim@khu.ac.kr

Dorin Beu (Ph.D., Reader)
Lighting Engineering Laboratory
University of Cluj-Napoca
Romania
Tel.: +40 723 661536
E-mail address: dorin.beu@insta.utcluj.ro