First Call For Papers

Smart Lighting 2014
CCIB, International Convention Centre, Barcelona, Spain
May 7 & 8, 2014
www.smartlighting.org

The premier global networking conference & showcase for intelligent lighting business, technology & application development

Call for Papers and Solicitation for Exhibiting
InnovationFab Events initiated and will be hosting the 4th edition of a dedicated global conference & showcase on Smart Lighting May 7 & 8, 2014 in the CCIB in Barcelona, Spain. The conference will be a unique setting of presentations on technical, business-case and application development of intelligent and dynamic lighting systems, solutions and services. The event aims to create an Industry to Industry and Industry to Business platform par excellence for networking among and between the attendees particularly at the conference as well as in the showcase area.

About Smart Lighting
The focus of the 4th Smart Lighting Conference & Showcase will be on the state-of-the-art in technology, applications, business models and best practices in intelligent and dynamic solid state lighting worldwide. New to the equation will be the achievements, developments and impact of networked ICT systems and solutions on the further enhancement of efficiency and management of smart lighting systems and solutions. The concept of “lighting on-demand” will be presented in a variety of applications from a global perspective.

Definition
Smart Lighting is a heterogeneous and multi-disciplinary lighting technology area, integrating a.o. sensor and control technology, as well as information & communication technology, which leads to higher efficiencies and lower CO2 footprint in the use of electrical energy, in combination with enhanced intelligent functionalities and interfaces of lighting in the ambient, commercial, the public and other domains. Smart lighting is enabled through the introduction and emergence of semiconductor based digital light sources such as inorganic light emitting diodes [LEDs] and organic emitting diodes [OLEDs]. Digital enabled and controlled lighting allows lighting functions to become dynamic [in color and intensity], interactive [in control], and adaptive [on demand], i.e. to become more intelligent. Smart Lighting will become the domain of professional services organizations, by integration all options of natural light and digital enabled lighting, into illumination solutions which make better and more efficient use of the combined functionalities and interfaces.

Contributed papers will be presented together with invited papers in the parallel sessions on May 7 & 8, 2014. Non-honored papers will be invited to be presented as posters in the showcase area. Contributed speakers and poster presenters will have an attractive discount of 25% on the event registration fee for their participation.

Contributed papers and speakers are being solicited on the following application areas and related topics:

1. *Business sessions: Smart lighting for communities*
   In this session the value of smart lighting for communities will be discussed. Solid state lighting enables the creation of dynamic and ambient environments that influence the behavior and mood of people. This enables the development of new business models with services for the improvement of quality of life in cities and other (semi-) public spaces. The presentations will cover various aspects of lighting for communities, such as the value of smart lighting solutions for the well-being of citizens and the hospitality sector, the psychological aspects of interactive and dynamic lighting, or user interfaces for interactive public lighting. The presentations might also cover the impact of smart lighting on the broader notion of quality of life and how this is valued in concrete projects.
   > papers should have a business focus

2. *Technology sessions: Cyber physical lighting systems*
   The technology session covers all technical aspects of smart lighting starting with material and component development, light engines (based on LED, OLED and new approaches), efficacy improvement, system architectures up to advanced system integration with control and system management functionalities. Which intelligence functions can be best incorporated in which part of the value chain? Which technologies are needed to make modern lighting systems smart and how can the user make use of these new functions? Which new opportunities are offered by these new technologies and which new security issues have to be addressed? The presentations will also deal with the fundamental understanding of light and lighting (of natural as well as artificial light).
   > papers should have a technology focus

3. *Application Sessions : Turning light into solutions*
   In this session business cases and best practices of smart solid state lighting in various applications will be covered, that can range from commercial applications in offices, hotels, shopping malls, or public buildings etc., up to residential lighting for homes and can also address upcoming application areas such as horticulture, healthcare or the integration of lighting into buildings materials. The presentations might also cover the role of lighting in smart buildings, smart grids or the internet-of-things.
   > papers should have an application focus

! Please indicate in which of the three topic areas your contribution would best fit!

Length of the paper abstract: Paper abstract should be in English and be no larger than 200 words [One A4 full page of text]

Abstract Deadline : 30/12/13
Author Notification : 30/01/14
Final Drafts Due : 15/02/14

Abstract Submissions: to info@smartlighting.org
Abstract Submissions at www.smartlighting.org

Conference Steering Committee

- Dr. Bruno Smets, Head Public Private Innovation Partnerships, Sector Strategy and Innovation, Philips Lighting BV, Eindhoven, the Netherlands (Chair).
- Dr. Berit Wessler, Head Strategic Technology Cooperation, OSRAM GmbH, R&D STC-W, Munchen, Germany.
- Dr. Heinz Seyringer, Head Research Collaborations Zumtobel Group, Zumtobel Lighting GmbH, Dornbirn, Austria.
- Professor Dr. Emile Aarts, Scientific Program Director, TU/e Intelligent Lighting Institute (ILI), Eindhoven, the Netherlands.
- Prof. Dr. Robert F. Karlicek, Jr., ERC Director, Smart Lighting Engineering Research Center Rensselaer Polytechnic Institute, United States.
- Mr. Bryan Lawrence, WW Segment Marketing Manager, ARM Ltd, Cambridge, United Kingdom.
- Mr. Kishore Manghnani Msc. MBA, Vice president of green technology, Marvell, Santa Clara, United States.
- Dr. Steve Oh, Vice President Lighting Business LG Electronics, Korea.
- Mr. Peter Ngai, Director Acuity Brands, United States.
- Dr. Arthur Jaunich, Associated Principal, McKinsey, Germany.

Looking forward to meeting you in Barcelona for the Global Smart Lighting 2014

> For more program information and showcase opportunities please contact Mrs. Astrid Reijs
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Best Regards,

On behalf of the Smart Lighting Conference Steering Committee,

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