



OLLA project receives OSIA Award 2008 for R&D

Eindhoven, October 2008.

At the Organic Semiconductor Conference (OSC-08) last week in Frankfurt (Germany), the European OLLA project received the 2008 Organic Semiconductor Industry Award (OSIA) in the Research and Development category.

Pioneering commitment

The OSIA judges selected the OLLA project because it had demonstrated pioneering commitment to the continual promotion of OLED technology for lighting applications, and it has acted as a catalyst for global research and development of OLED lighting. Additionally, the OLLA project provided innovative solutions to a range of challenging problems for development of large area white OLEDs panels, and demonstrated that it is possible to successfully deliver results within a multi-partner project.



"I'm very proud that we as OLLA received this award on top of all technical results we achieved in the last 4 years," says Peter Visser, OLLA project manager from Philips Lighting. "And it's a clear recognition for all the work we did together, both within Philips, and within a large group of European OLLA partners in an Open Innovation environment, to make this project a great success."

Global momentum

The aim of the OLLA project, a European project funded by the IST program of the European Commission's 6th Framework that started in October 2004, was to research and develop high-brightness, high-efficient white OLEDs (Organic Light-Emitting Diodes) and demonstrate their use in general lighting applications. At the end of the project in June 2008, the OLLA project consortium presented its final milestone: the basic technology for a white OLED light source with an efficacy of 50.7 lumens per Watt at an initial brightness of 1000 cd/m² and a lifetime far over 10.000 hours.

The OLLA consortium consisted of 24 partners - industrial companies and universities as well as research institutes - out of 8 countries within Europe. Peter Visser: *"OLLA was the first and largest European research project on OLED lighting. It has initiated global momentum for research on OLED lighting. Now, several similar research projects on OLED lighting have started in Japan, Korea, China, the UK, Germany and in the US."*

OLED100.eu

The development of OLED lighting technology will be continued in OLED100.eu, a new Philips-led European project aiming at further increasing the efficiency, lifetime and size of OLEDs.

"The results of the project are not only recognized for the scientific excellence, but moreover will help to accelerate the development of OLED lighting solutions for the benefit of consumers in Europe and the world," says Dr. Dietrich Bertram, technical coordinator OLLA and manager business center OLED lighting at Philips.

Links

- OLLA website www.olla-project.org
- Cintelliq website www.cintelliq.com
- OLED100 website www.oled100.eu (as per November 2008)

Novel press pictures released in conjunction to this text:



Caption: The OSIA Award 2008 for Research & Development 2008 was awarded to The OLLA project.
(Picture source: P. Visser / the OLLA project)



Caption: Craig Cruickshank (right) of cintelliq handing over the OSIA 2008 R&D Award to OLLA project leader Peter Visser of Philips Lighting, during the OSC-08 networking dinner in Frankfurt. (Picture source: cintelliq)



The OISA 2008 award logo (Picture source: cintelliq)

Additional project information is available on: www.olla-project.org

Links related to this press release

- OLLA project website: <http://www.olla-project.org>
- The FP-IST programme: <http://cordis.europa.eu/ist/>

About the OLLA project:

OLLA was a joint research project dedicated to the development of white OLEDs for general lighting applications. The consortium consists of 24 entities in 8 European countries. OLLA is partially funded under the IST priority (Information Society Technologies) of the European Union's 6th Framework Programme (FP6).

Goal of the OLLA project was to demonstrate a long-life and highly efficient white OLED light tiles with the following specifications: efficacy of 50 lm/W, lifetime of 10.000 hours from an initial brightness of 1.000 cd/m², with an individual tile size of 15x15 cm².

About OLEDs

OLEDs are a novel and very attractive class of solid-state light sources, which are flat, thin, and very lightweight. OLEDs generate a diffuse, non-glaring illumination with high color rendering. Due to its freedom of design, OLED lighting technology offers many possibilities for new lighting applications. OLEDs could also be used in lighting systems with controllable color, allowing users to customize their light atmosphere. Furthermore, as a highly efficient light source, the technology has the potential of achieving substantial energy and CO₂ savings, without compromising color rendering or switching speed.

For more information, previous press releases,
High-resolution versions of the enclosed pictures please go to:
www.olla-project.org , section download or contact pressrelease@olla-project.org

Key data of the OLLA project:

- Project goal: demonstration of OLEDs technology for Lighting Applications
- Project website: www.olla-project.org
- Duration: 45 months, October 2004 – June 2008.
- Project budget: €20 Million
- EU contribution: €12 Million
- EU contract number: IST-2002-004607.

The project has the following 24 consortium partners out of 8 EU countries:

Industrial Partners:

- Aixtron AG, Aachen, Germany
- Merck KGaA, Frankfurt, Germany
- H.C. Starck GmbH, Germany
- Novalde AG, Dresden, Germany
- Osram Opto Semiconductors GmbH, Regensburg, Germany
- Philips Electronics Nederland BV, Eindhoven, the Netherlands
- Philips Lighting GmbH, Aachen, Germany
- Philips GmbH Forschungslaboratorien, Aachen, Germany
- Sensient Imaging Technologies GmbH, Wolfen, Germany
- Siemens AG, Erlangen, Germany

Universities:

- Ecole Polytechnique Fédérale de Lausanne (EPFL), Switzerland
- Katholieke Universiteit Leuven (KUL), Belgium
- Rijksuniversiteit Groningen (RUG), the Netherlands
- Institut für Angewandte Photophysik (IAPP), Technische Universität Dresden, Germany
- Universität Kassel, Germany
- Universiteit Gent, Belgium

Research Institutes:

- Centre National de la Recherche Scientifique - Institut des Matériaux Jean Rouxel de Nantes (CNRS-IMN), France
- Centre National de la Recherche Scientifique - Laboratoire de Chimie de Coordination du CNR (CNRS-LCC), France
- Consiglio Nazionale delle Ricerche Bologna (CNR-ISOF), Italy
- Consiglio Nazionale delle Ricerche Lecce (CNR-IFNM), Italy
- Fraunhofer Institute for Photonic Microsystems (IPMS), Germany
- Institute of Physical Chemistry of the Polish Academy of Science, Poland
- Inter-universitair Micro-Electronica Centrum (IMEC), Belgium
- VTT Technical Research Centre, Finland

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Additional project information is available on: www.olla-project.org