

## A3Ple conference and dissemination

In March 2015 the **A3Ple** consortium has organized at the final conference focused on the presentation of the developments made by the consortium concerning materials, devices, design and integration towards a new generation of electronic circuits on paper.

To maximize the impact and have a larger audience this conference was in parallel with the International Exhibition and Conference for Printed Electronics (**LOPEC 2015**), the most prestigious event related with printed electronics in Europe. The organization took this opportunity to invite also other FP7 project related with paper electronics (**ROPAS**) to participate in the event and to present the latest results achieved.



[http://www.lopec.com/en/a3ple\\_workshop/](http://www.lopec.com/en/a3ple_workshop/)



A3Ple conference



A3Ple demonstrators at OE-A booth.

The conference, combined with the presence at the VARTA, Felix Schoeller and OE-A booth (repeating the presence of 2013 and 2014) and the presentation of some demonstrators, turned the participation at LOPEC 2015 a great dissemination action of **A3Ple** project.

In this LOPEC edition, **A3Ple** participated on the “*OE-A Competition for Multifunctional Demonstrator based on Organic and Printed Electronics*”, with DEMO1 an on/off” device that gives information on occurrence of dangerous gas (H<sub>2</sub>S), and DEMO2: a paper poster (A0 format) able to distinguish 3 gas levels and show the value reached instantaneously. The DEMO1 was awarded by the OE-A jury, with **Best Publicly Funded Project Demonstrator**.



Best Publicly Funded Project Demonstrator for A3Ple DEMO1.

<http://www.oe-a.org/article/-/articleview/150569>



A3Ple consortium with OE-A award.

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In May 2015 took place a symposium devoted to paper electronics scope, joining the international scientific community dealing with this topic. The **“Paper electronics: a new challenge for materials a new opportunity for devices II”**, was held at EMRS Spring Meeting in Lille.



The symposium had the A3Ple sponsorship, and was organized by Luis Pereira (UNL), having David Guerin (CTP) as one of the co-organizers.

The topics were related with the use of paper on electronic devices, new technologies for paper manufacturing (control fibers size, porosity, fillers, etc), new paper coatings (organic, inorganic or hybrid), paper surface functionalization (plasma or gas treatments) but also new materials and devices (conductors, semiconductor insulators, electrochromic, batteries electrodes) and innovative cheap manufacturing technologies on large area (inkjet and roll-to-roll processes).

This was a great opportunity to present and disseminate the project activities as well as to discuss with other research groups the results achieved. Invited contributions came from:

Aline Rougier (ICMCB, Bordeaux France) – *Electrochromics on paper*; Scott Philips (Pennsylvania State University, USA) - *Combining Electronics and Paper to Enable Quantitative Point-of-Need Assays*; Ronald Osterbacka (Abo Akademi University, Finland) – *Logic circuitry on paper using ion-modulated OFETs*; Sven Forsberg (Mid Sweden University, Sweden) - *Paper-based supercapacitors*; Jesper Edberg (Linköping University, Sweden) - *Nanocellulose-PEDOT Composites and their Applications*; Candace Chan (Arizona State University, USA) - *Foldable Paper-Based Lithium-ion Batteries*; Aaron Mazzeo (Rutgers University School of Engineering, USA) - *Tuning Mechanical and Electrical Properties of Paper for Disposable Devices*;



BB Symposium in Lille 2015

Symposium Organizers Address.

1° 262782 (APPLE).