

CREATIF NEWS

CREATIF Project Newsletter Issue 2

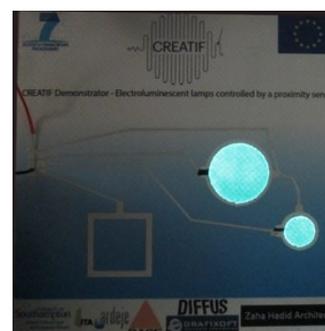
March 2017

About this Newsletter

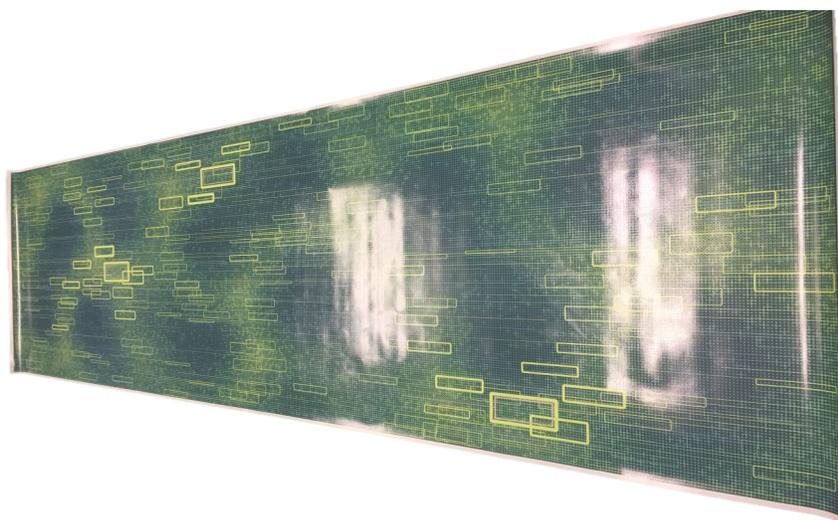
The purpose of a newsletter is to provide information about the CREATIF project's progress. This second newsletter outlines the design and realization of the demonstrators of the modular blind and exhibition stand. We have created a hardware and software platform to enable creatives to design and realize smart fabrics without needing technical expertise in smart fabric technology.

The newsletter is targeted at potential users of the technology. These are primarily expected to be from the creative industries of which the expected most relevant sectors are: advertising, architecture, design, designer fashion, arts, performing arts; crafts, music, television and radio

Further information is available on the CREATIF website: www.creatif.ecs.soton.ac.uk. This provides a summary of the dissemination to date from the project, including journal and conference papers. To be kept informed in the future please email: creatif.network@gmail.com.



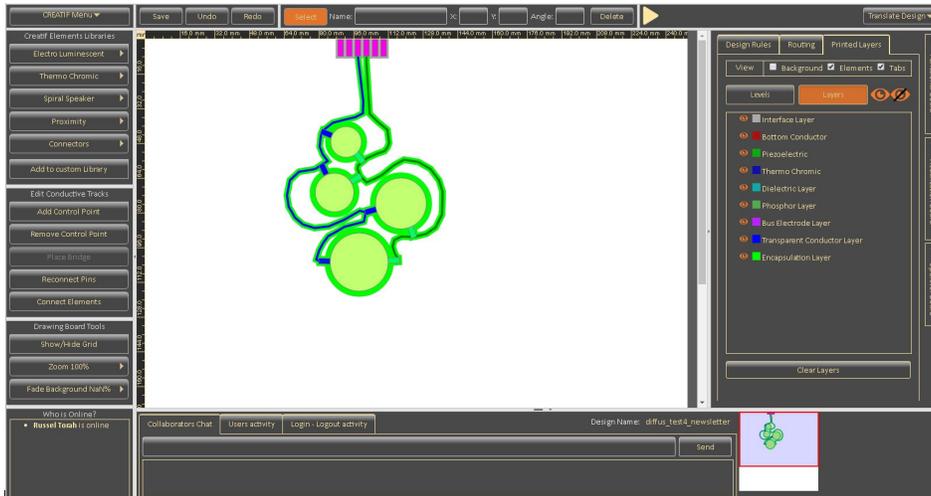
Combined inkjet and smart ink printed images with printed lamps before (top) and after activation (bottom)



Printed 3 x 1m smart fabric

In This Issue

- The modular blind
- The modular exhibition stand
- The consortium



Interface for collaborative design tool (electroluminescent design)

The Consortium

- University of Southampton
- Grafisoft
- Ardeje
- Institute of Textiles Aachen
- Base Structures
- Diffus Design
- Zaha Hadid Architects

This project has received funding from the European Union's Seventh Framework Programme for research, technological development and demonstration under grant agreement no CP-FP-INFISO-FP761041.

The modular blind and exhibition stand

The modular blind and exhibition stand highlight the use of the CREATIF design software and the printing technology. The user is able to design a smart fabric using 3 stages of design software:

- CREATIF Collaborative Design Tool
- CREATIF Translation Tool
- CREATIF Visualisation Tool

More information, and the software itself, is available at www.creatif.cc. The following smart functions are currently available when used with the standard CREATIF control electronics:

- Electroluminescent (light)
- Thermo chromic (colour change)
- Loudspeaker (sound)
- Proximity sensing (touch)

The modular blind is based on 25 cm diameter discs which are connected together to form a 1 m x 1 m blind. It was designed by Diffus Design and printed by the University of Southampton.

The exhibition stand is based on a single 3 x 1 m fabric and 5 square, 0.5 m x 0.5 m fabrics arranged in a cube. These are first printed with an inkjet image before printing the smart functions. It was designed by Zaha Hadid Architects and printed by the Institute of Textiles, Aachen and the University of Southampton.



Printed electroluminescent blind disc

Contact

E: creatif.network@gmail.com

Coordinator

Dr John Tudor
 Electronics and Computer Science
 University of Southampton
 E: mjt@ecs.soton.ac.uk