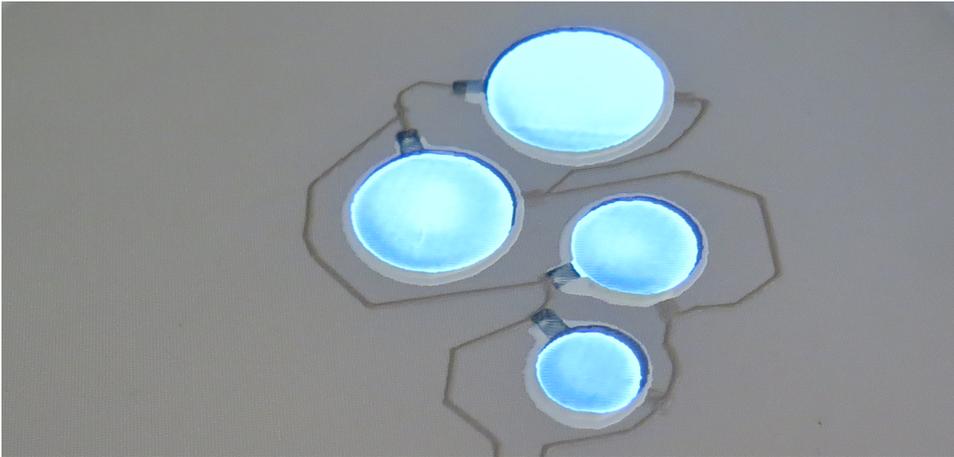
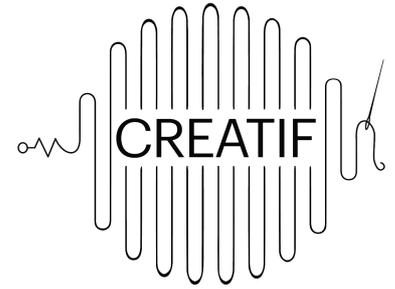


Press release: New Smart Ink Functionalities for SpacEmotion



Award winning project SpacEmotion by Diffus Design gets a series of new functionalities through an EU-grant. Three and a half years of research is coming to an end resulting in exiting printed functionalities as light, speakers, color change modules and sensing modules.

By participating in the EU-funded project CREATIF we have had the change to combine the conductive embroidery technique, characteristic for SpacEmotion with the technology of smart interactive inks.

SpacEmotion is an interior design that is creating a sensory and ambient atmosphere in your surroundings. It is a modular system of textile discs that have been embroidered with conductive yarn to generate different outputs including light, sound and scent across a custom made surface. Now also combined with printed electro-luminescent light, thermocromic color changing surfaces, completely flat printed spiral speakers and printed patterns that function as proximity sensors.

SpacEmotion can be used as a window curtain, a room divider, a sound installation and a light source. Sensory discs can be added, removed or re-configured to change the layout. The modular system provides opportunities for patterns and sensory functions to be added as new applications emerge and technologies such as OLED and printed responsive surfaces are further developed.

The printer and the design tools developed through CREATIF have enabled us to design with interactive surfaces in a completely new way. With the CREATIF tools we have support in the whole process from early ideas to the final print and from interaction sketching to actual coding for the interaction to happen. This helps in our existing projects as well as brings great opportunities for projects to be developed in the future.

SpacEmotion is designed by Hanne-Louise Johannesen and Michel Guglielmi, the co-owners at Diffus Design. Please contact us for further information info@diffus.dk

About CREATIF

Imagine that you could print touch sensors and interactive light directly on fabric - if your fabric could be turned into an interactive surface with different inputs and outputs printed in one go, on one surface.

On October 1st 2013 the EU-project, CREATIF kicked off. CREATIF is a unique project that strives to make this imagination possible. Three creative partners; Base Structures (UK), Diffus Design (DK) and Zaha Hadid Architects (UK) have collaborated with four technical and research based partners Ardeje (FR), Grafisoft (BG), Institut für Textiltechnik Aachen (DE) and University of Southampton (UK) in making a **smart fabric printer**.

The CREATIF project aims to create collaborative tools in the form of intuitive digital software design tools coupled with digital printers in order to facilitate interactive print on fabric. This tool will allow the user to design, create, layout, visualise and simulate smart fabrics by printing active electronic materials in the form of inks/pastes

Further information at:
www.creatif.ecs.soton.ac.uk

About Diffus Design

Diffus is founded by architect Michel Guglielmi and art historian Hanne-Louise Johannesen.

Diffus moves between culture, aesthetic and technology. Not by trying to embrace the fields but rather by operating in between. Diffus is driven by research, curiosity and investigation, focusing equally on form, content and the relationship between these.

A vision for Diffus Design is to combine traditional know-how and codified production processes with uncharted 'soft' technologies and complex materials. The idea is to emphasise familiarity, luxury and comfort and try to combine different materials.

Further information at: www.diffus.dk