

reference
contact
phone OE-A-2021-04-E
fax Isabella Treser
e-mail + 49-69-6603-1896
date + 49-69-6603-2896
Isabella.treser@oe-a.org
March 30, 2021

OE-A Competition 2021: And the winners are....

- **Jury selected best demonstrators in three categories**
- **Great interest in the Public Choice Award**
- **Presentation and prize awarding April 15th, 2021**

Frankfurt, Germany, March 30, 2021 – What added value does Printed Electronics bring to this product? Which product shows the highest degree of innovation? And how attractive is it for the target group? These were tough questions to answer for the jury of the OE-A Competition 2021. The jury, consisting of representatives from international companies and institutes, rated 22 submissions in three categories. Companies and institutes from 13 countries around the globe submitted their latest products and demonstrators in the area of organic and printed electronics to the OE-A Competition 2021. Annually organized by OE-A (Organic and Printed Electronics Association), a working group within VDMA, this competition challenges the printed electronics industry.

“We were excited about how many products and prototypes from such diverse fields as medicine, automotive or wearables took part in the competition.”, says Dr. Klaus Hecker, Managing Director of OE-A. The submitted projects were judged by the jury in three categories: "Prototypes & New Products"; "Freestyle Demonstrator"; and "Publicly Funded Project Demonstrator". As every year, all submitted products and demonstrators were presented to the international community at LOPEC, the international platform for printed electronics, which took place as an online format from 23 to 25 March 2021.

OE-A (Organic and Printed Electronics Association)
Chairman:
Stan Farnsworth
Managing Director:
Dr. Klaus Hecker

VDMA – Mechanical Engineering Industry Association
Lyoner Straße 18
60528 Frankfurt am Main, Germany
Phone +49 69 66 03-13 36
Fax +49 69 66 03-23 36
E-Mail info@oe-a.org
Internet www.oe-a.org

A Working Group within

The Winners

The jury selected the following entries as the best of the OE-A Competition 2021:

Best Prototype / New Product

[OccluSense®– Dental Pressure Measuring System](#)

InnovationLab (Germany)

The project offers a digital solution for occlusion control with medical certification. It measures, visualizes, and stores the pressure distribution during the bite process. The printed pressure sensor matrix with more than 1000 pixels registers the pressure applied on each pixel with up to 150 Hz and sends the information wirelessly to a cloud, a tablet or other devices.

Best Freestyle Demonstrator

[Dose-counting Smart Label for Inhalers](#)

Fleep Tech (Italy)

The demonstrator features a counting smart label for metered dose inhalers. The smart label, realized on a flexible substrate, integrates a fully printed OTFT based control and driving electronics as well as a fully printed battery, a touch sensor and a commercially available electrophoretic segmented display.

Best Publicly Funded Project Demonstrator

[SUPERSMART Anti Counterfeiting Label](#)

Fraunhofer ISC & Partner (Germany)

The demonstrator consists of two paper-based demonstrators realized in the frame of the SUPERSMART project with the partners Coatema, CEA Liten, Joanneum Research, University of Bordeaux and VTT. A shock detection active tag based on a piezo material to track product damage during transport and an anti-counterfeiting label relying on an electrochromic display to authenticate medical or luxury products.

"The winners' ideas and products show impressively how broad the application opportunities for our industries are. The OE-A Competition motivates companies to think outside the box. This provides new impulses for the technological development of printed electronics as well as product design and shows users which products and concepts are in the pipeline", states Klaus Hecker.

Public Choice Award – very popular in 2021

In addition to the three jury categories, OE-A offered a public category, where all LOPEC-visitors were invited to cast their voice for their favorite demonstrator. At <https://oe-a.org/en/oe-a-competition-2021-online> everyone had the chance to make a choice for the

"Public Choice Award". The interest in the Public category was immense, more than 600 people took part in the voting.

This year's race for the Public Choice Award made:

Public Choice Award

[S-Console Smart Gear Selector](#)

Centi (Portugal)

The Smart Gear Selector demonstrator is an intelligent control panel for an automatic transmission. Printed electronics enables the reduction of the number of mechanical and electrical parts to seamless design.

"We are delighted by the great response to the Public Choice Award. Despite the pandemic, OE-A wants to provide all participants visibility, especially the winners. At our OE-A Competition website you find all submissions with additional material, such as photos and videos. It's definitely worth seeing", adds Klaus Hecker.

The award ceremony for the "OE-A Competition 2021" will take place online this year on April 15, 2021. The winner of the "Public Choice Award" as well as the price winners of the three categories will then present their demonstrators.

More information about all contributions of the competition can be found on the OE-A Competition-Website <https://oe-a.org/en/oe-a-competition-2021-online>. Next year, LOPEC visitors will be able to experience the products and demonstrators of the 2022 Competition live at LOPEC 2022 (March 22-24). The OE-A Competition 2022 will start in May 2021.

###

If you have any questions, please do not hesitate to contact Dr. Klaus Hecker, OE-A Managing Director, phone: +49 69 66 03-13 36, e-mail: klaus.hecker@oe-a.org



[Best Prototype & new Product: OccluSense®– Dental Pressure Measuring System](#)



[Freestyle Demonstrator: FleepTech Dose-counting Smart Label for Inhalers](#)



[Publicly Funded Project Demonstrator: SUPERSMART Anti-Counterfeiting Label](#)



[Public Choice Award: Centi S-Console Smart Gear Selector](#)



Organic and Printed Electronics Association

The OE-A (Organic and Printed Electronics Association) was founded in December 2004 and is the leading international industry association for organic and printed electronics. The OE-A represents the entire value chain of this emerging industry. Our members are world-class global companies and institutions, ranging from R&D institutes, mechanical engineering companies and material suppliers to producers and end-users.

Well over 200 companies from Europe, Asia, North America and Africa are working together to promote the establishment of a competitive production infrastructure for organic and printed electronics. The vision of the OE-A is to build a bridge between science, technology and application. The OE-A is a working group within VDMA. Around 3,300 member companies from the engineering industry make VDMA the largest industry association in Europe. www.oe-a.org

Organic and printed electronics

Organic and printed electronics stands for a revolutionary new type of electronics: they are thin, lightweight, flexible, robust and produced at low cost. It enables new applications, including single-use devices enabling ubiquitous electronics.

LOPEC

The OE-A and Messe München are the hosts of LOPEC, the premier international exhibition and conference for the printed electronics industry. It addresses end-users, engineers, scientists, manufacturers, and investors. LOPEC 2022 will be held March 22nd to 24th, 2022 at Messe München, Germany. www.lopec.com