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Press release

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LOPEC 2022

Living smarter with printed electronics

From March 22 to 24, 2022, LOPEC, the world's leading exhibition and conference for flexible, organic and printed electronics, will open its doors on the grounds of Messe München. With a focus on Smart Living, exhibitors and speakers from all over the world will show how printed electronics can make our lives more comfortable, safe and sustainable.

From solar cells integrated seamlessly in building facades or roofs, to skis with integrated sensors, to new light therapies for combating jaundice in babies – printed electronics plays a crucial role in all these innovations, as they are thin, lightweight and flexible as well as cost-efficient to manufacture. Thanks to these qualities, circuits, sensors and other electronics components can be integrated unobtrusively into practically anything.

"Thanks to printed electronics, any product can be equipped with key functions that provide more comfort, well-being and security in all kinds of circumstances and environments," says Armin Wittmann, Exhibition Director of LOPEC at Messe München. With the focus on Smart Living, the exhibitors and speakers at this year's LOPEC will present numerous innovations that are close to market readiness or have already made the leap to application. The international exhibition will take place on March 23 and 24, 2022, with the LOPEC conference starting one day earlier.

Smart Living technologies with printed electronics are already helping little ones who have just glimpsed the light of the world for the first time. For example, the Dutch company Bilihome will be showcasing a vest for babies suffering from jaundice in LOPEC's Innovation Showcase. Printed electronics and integrated

LEDs enable a light therapy that doesn't restrict the baby and is even suitable for babies born prematurely.

There is also an ever-increasing presence of printed electronics in the leisure sector. Among the highlights of this year's LOPEC Innovation Showcase are skis with integrated sensors conceived by Atomic, the Austrian manufacturer of sporting goods for skiing, together with scientists from the research company Joanneum Research from Graz. In these, printed sensors and other flexible electronics components such as batteries and solar cells are laminated on the skis. Online measurements of the ski's deformation, a factor that affects performance in Alpine skiing, are therefore possible under real conditions.

Printed electronics is also conquering the building sector. Here, it is offering impressive solutions for increasing sustainability. For example, affixable solar sheets from Dresden-based LOPEC exhibitor Heliatek are turning nearly every building into producers of green energy. The company is producing solar sheets using roll-to-roll processes. Likewise, printed electronics offers various solutions for indoor applications. One example is the extraordinary lighting concept by LOPEC exhibitor Lumitronix. The manufacturer of LED technology combines printed wires on paper webs with surface mounted LEDs. The luminous wallpapers are available in lengths of up to 100 meters.

LOPEC will also be showcasing new printing and carrier materials as well as equipment for realizing Smart Living technologies. "With the combination of exhibition and conference, we are covering the entire value chain of printed electronics from production to application," says Armin Wittmann. LOPEC is aimed at representatives from all kinds of industries who want to make their business fit for the future. Because one thing is for certain: In the digitalized, connected world, there is no getting by without printed electronics.

LOPEC opens its doors from March 22 to 24, 2022 on the grounds of Messe München.

You can find more information online at www.lopec.com

LOPEC
LOPEC (Large-area, Organic & Printed Electronics Convention) is the world's leading event for printed electronics. The combination of exhibition and conference covers the complexity and dynamism of this young industry perfectly. LOPEC is organized jointly by the OE-A (Organic and Printed Electronics Association) and Messe München GmbH. The next event will take place from March 22 to 24, 2022 in the ICM – Internationales Congress Center München. www.lopec.com

Messe München
Messe München is one of the leading exhibition organizers worldwide with more than 50 of its own trade shows for capital goods, consumer goods and new technologies. Every year, about 50,000 exhibitors and around 3 million visitors take part in more than 200 events at the exhibition center in Munich, at the ICM – Internationales Congress Center München, the Conference Center Nord and the MOC Veranstaltungscenter München as well as abroad.
Together with its subsidiary companies, Messe München organizes trade fairs in China, India, Brazil, Russia, Africa, Turkey and Vietnam. With a network of associated companies in Europe, Asia and South America, and with around 70 representatives abroad for more than 100 countries, Messe München has a truly global presence.

OE-A
The OE-A (Organic and Printed Electronics Association) is the leading international industry association for flexible, organic and printed electronics. The OE-A represents the entire value chain of this industry. The 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 OE-A is building a bridge between science, technology, and application. The OE-A is a working group within VDMA. www.oe-a.org.