

14 February 2022



Functional Crystals for Smart Decorative Surfaces in Automotive

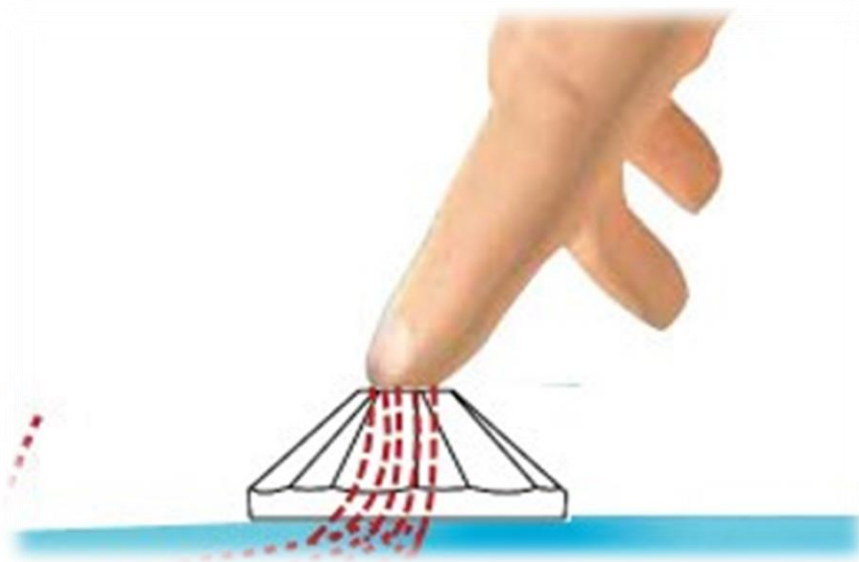
EPIC Online Technology Meeting on Lighting for Automotive

Rafael Michalczuk, Senior Funding & Technology Manager

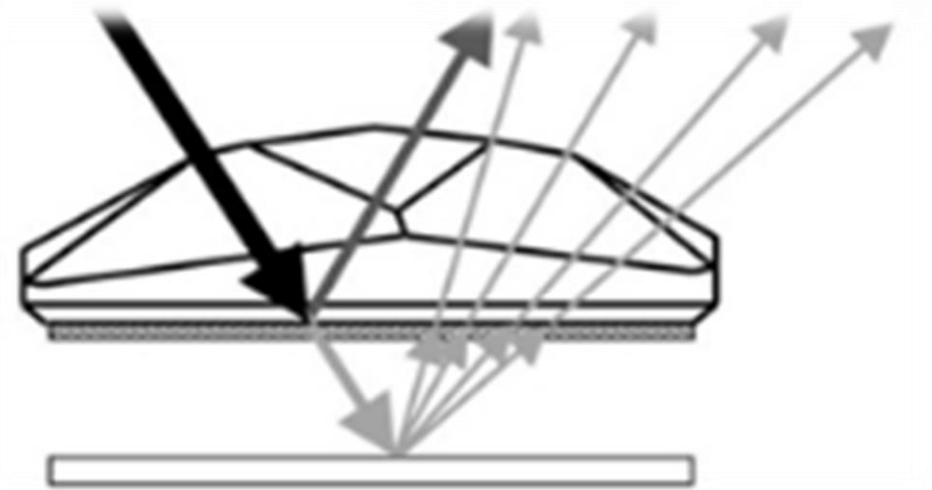
SWAROVSKI

Touch and visual interaction with Functional Crystals

Swarovski Touch Crystal



Swarovski Switchable Effect

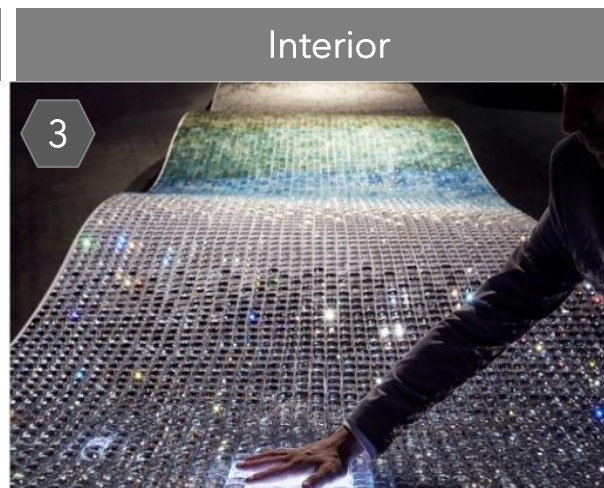


Application areas for Printed Electronics



BEWELL

Horizon 2020, 825172



LEE·BED

Horizon 2020, 814485

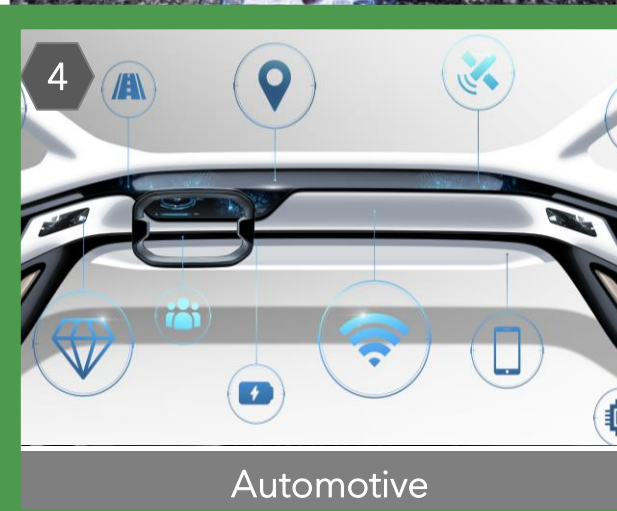
Phabulous

Horizon 2020, 871710



LEE·BED

Horizon 2020, 814485



LEE·BED

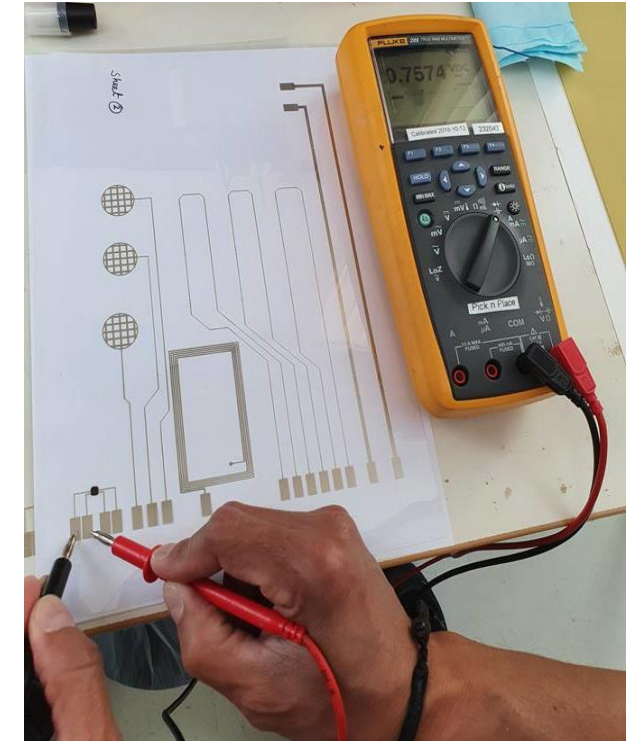
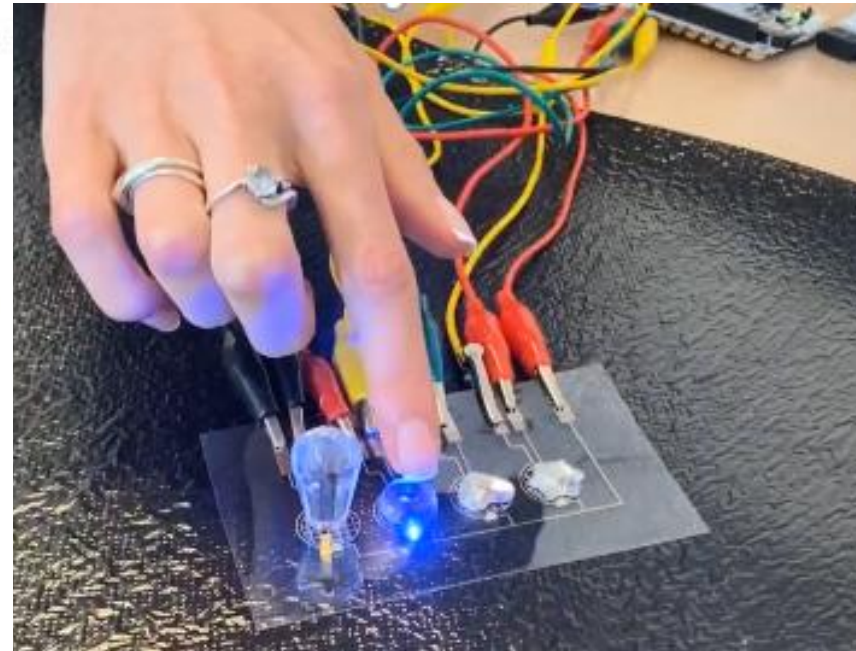
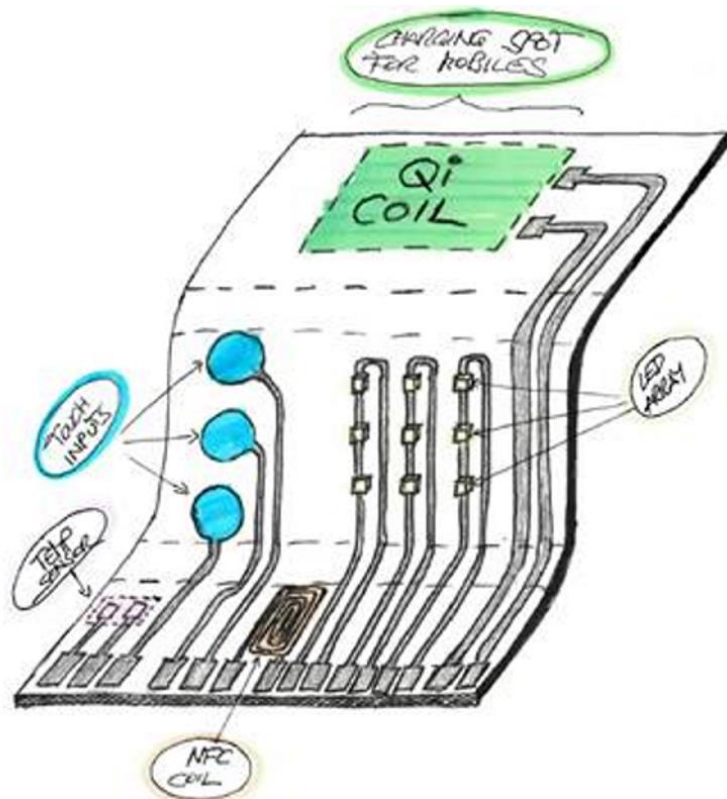
Horizon 2020, 814485

- 1 - Swarovski Misfit Shine Activity Tracker (2015) 2 - Color-changing Swarovski crystals on Tory Burch Dress (New York Met Gala 2016)
3 - "Unda" installation by Anjali Srinivasan (Design Miami/Basel 2016) 4 - Swarovski Mobility - Automotive Interior of the Future

Starting point: H2020 project LEE-BED

Printed Electronics combined with Functional Crystals

Prototyping with DTI & RISE Pilot lines (Inkjet & S2S)

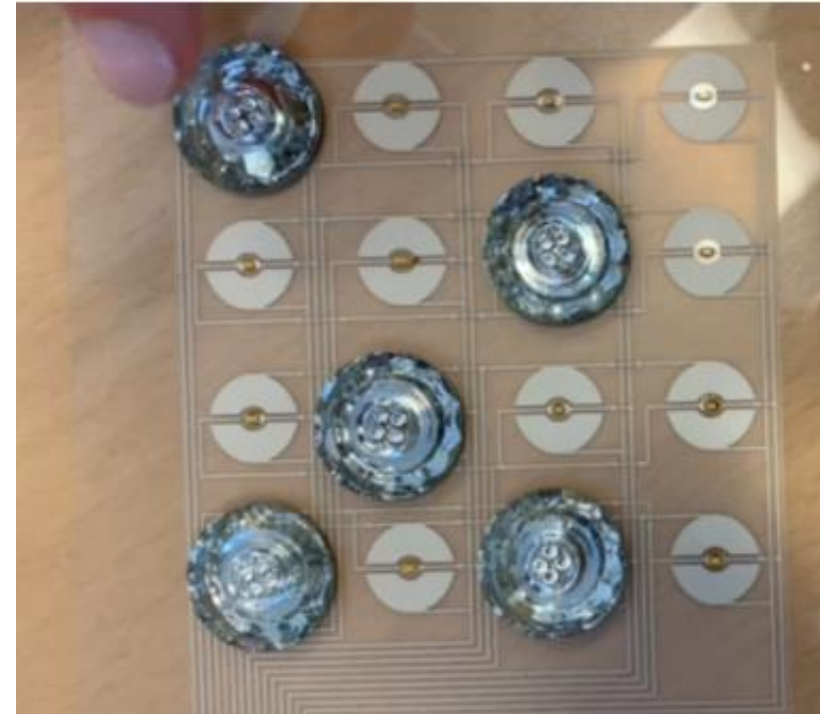


<https://lee-bed.eu>

Open Innovation Test Bed for Lightweight Embedded Electronics

Horizon 2020: LEE-BED

4x4 LED Touch array



<https://lee-bed.eu>

Open Innovation Test Bed for Lightweight Embedded Electronics

SWAROVSKI

Swarovski, Rafael Michalczuk, EPIC Online Technology Meeting on Lighting for Automotive

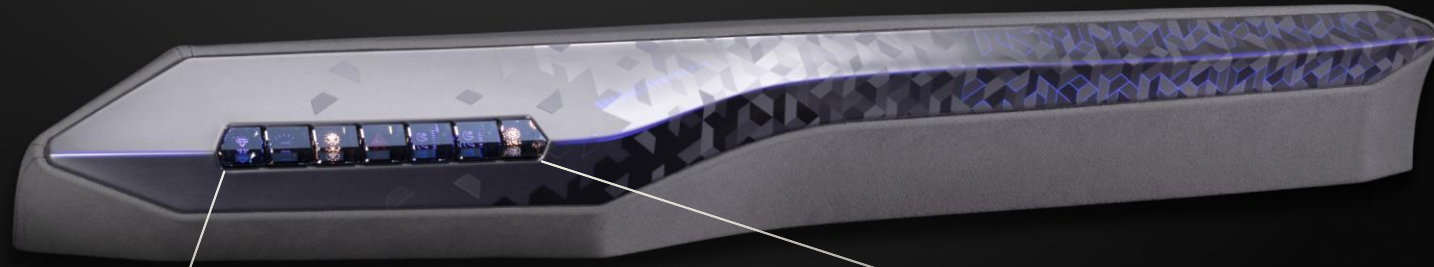
This project has received funding from the European Union's Horizon 2020 Research and innovation programme under Grant Agreement n° 814485



From 2022

Innovation Project: LEONHARD KURZ

Shiny design and smart technology - development of a Human-Machine Interface panel



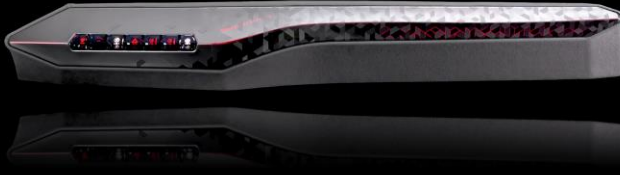
Shy Tech functionality



Lounge

Dark

Light



SWAROVSKI

Human-Machine Interface panel

Swarovski Mobility



Questions & contact



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