

Ladies and Gentlemen,

with the 2nd release of our newsletter, we would like to inform you about current and interesting projects such as resource-efficient recycling, health and cultural property protection. The Fraunhofer ISC is still at the forefront when it comes to research and development in the area of electromobility.

Enjoy reading it!

## AutoBatRec2020 - Intelligent recycling

The production of high-performance traction batteries (e.g. lithium-ion batteries) requires valuable raw materials that should be retained in the recycling cycle as far as possible at the end of their lifespan. With the project **"AutoBatRec2020"** (Automotive Battery Recycling), the EU, together with EIT Raw Materials (European Institute of Innovation and Technology), is supporting research in the area of resource-efficient recycling of traction batteries. The recycling chain is to be improved so that valuable raw materials can be recovered and secured for the European industry. Besides the Fraunhofer Project Group for Materials Recycling and Resource Strategies IWKS of the Fraunhofer ISC, national and international industry and research partners are taking part in this project.

MORE INFO

## From research for practice

The ISC-owned TLZ-RT (Translational Center for Regenerative Therapies) offers a practical seminar on **"Tissue Engineering - Fundamentals of 3D Tissue Breeding"** in Bronnbach Monastery from 14. until 16.11.2018. The three-day event includes a focused overview of the biological and material science foundations of tissue engineering and provides useful insights in the practical application of test systems to the development and approval of cell-based therapies.

MORE INFO

## Protect and preserve treasures

On 6.9.2018, the concluding event of the **"Sächsische Landesbibliothek und Staats- und Universitätsbibliothek Dresden"** (SLUB) project funded by the Fraunhofer-Gesellschaft with EUR 1.5 million "Protecting our Cultural Heritage with Fraunhofer Innovations" will take place. A total of 16 Fraunhofer institutes as well as three partners from the "Cultural Heritage Alliance" were involved in

the project in the field of cultural heritage research. Addressed questions were for example for the preservation of sensitive objects using the example of precious enamel jewels of the “Green Vault”. By the way, about 20 years ago, the Fraunhofer ISC developed a special restoration material (hybrid polymer) to fill in crack patterns.

[MORE INFO](#)

## Networking for the future

Since this year, the Fraunhofer ISC has been a member of one of the largest german networks in the plastics industry - the FSKZ e.V. By registering, the ISC wants to further intensify its cooperation and advance innovative ideas. As early as June, there was a lively exchange with other network partners as part of the SKZ network day. Our next appearance will be at the “**Recycling**” conference from 25. until 26.9.2018. Dr. Victor Trapp gives a presentation on “Modern materials and processes for the production and recycling of plastics”.

[MORE INFO](#)

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## Publications

A list of all publications (including **Annual Report 2017/2018**) of the Fraunhofer ISC is available via the following link

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