

We make materials fit for the future!



Fraunhofer IAP

Happy Holidays

and warmest regards for the New Year 2023

Dear reader,

We make materials fit for the future. For 30 years, together with our partners from politics, industry, science and society, we have been pushing the boundaries that now extend well beyond applied polymer research. We celebrated our 30th anniversary in September with a festive colloquium. A special year is ending. For twelve months, we looked back on the highlights of the institute's history and we considered the challenges and opportunities of the coming 30 years.

In this newsletter you will learn more about how our scientists are shaping the future already today. At Fraunhofer IAP, we develop innovative materials, processes and technologies for this purpose. I look forward to you following our news from research and development in the newsletter or on our social media channels in the coming year as well. Until then, I wish you Happy Holidays and a Happy New Year!

Yours sincerely,

A handwritten signature in blue ink, appearing to read "Alexander Böker".

Prof. Alexander Böker

NEWS FROM RESEARCH AND DEVELOPMENT

Bioeconomy and Sustainability

Production plant for novel bioplastics starts operation



Together with the Polymer Group, Fraunhofer IAP developed a novel class of bioplastics. The flexible PLA copolymers open up completely new fields of application and are marketed under the name Plactid®. The commissioning of the first production line was celebrated in July.

[MORE INFORMATION](#)

Health and Quality of Life

New tumor diagnostic method



In the future, breast cancer could be diagnosed cost-effectively, in a patient-friendly manner and within a few hours. For this purpose, tumor cells are detected via liquid biopsy. A team of researchers at the Fraunhofer IAP is working alongside partners on this innovative method.

[MORE INFORMATION](#)

Energy Transition and Mobility

Biomimetic synthetic rubber BISOYKA



For the first time, the mechanical properties of natural rubber have been successfully transferred to synthetic rubber. The team from the "BISOYKA" research project presented at the German Rubber Conference how they managed to reduce abrasion without the tires losing their grip or low rolling resistance.

[MORE INFORMATION](#)

Energy Transition and Mobility

New building for sustainable lightweight construction technologies inaugurated



A unique contact point for sustainable and holistic lightweight construction technologies has been created at the Wildau site on an area of 2700 square meters. The new office and laboratory building was ceremonially inaugurated on May 25, 2022.

[MORE INFORMATION](#)

30 YEARS FRAUNHOFER IAP

Celebration of the anniversary



On September 1, the Fraunhofer IAP celebrated its anniversary with a festive colloquium at the Fraunhofer Conference Center in the Potsdam Science Park. Renowned guests from politics, business and science congratulated on 30 years of successful technology developments.

[MORE INFORMATION](#)

Where we come from and where we are going



We proudly look back on the highlights of the institute's 30-year history and the scientists at Fraunhofer IAP look forward to the future: What will the next 30 years bring?

[MORE INFORMATION](#)

Minds at Fraunhofer IAP

Professor Horst Weller retires



In the fields of photochemistry, nanoscience and physical chemistry, Professor Horst Weller is one of the most renowned scientists worldwide. At the Fraunhofer IAP, he has headed the research area Center for Applied Nanotechnology CAN since 2018.

[MORE INFORMATION](#)

Events

First international Fraunhofer CCPE Summit for a circular plastics economy



Under the motto "Get into the loop", an international circular economy community will meet for the first time in Munich on February 8 and 9, 2023, at the Fraunhofer CCPE Summit. It is the starting signal for an international forum that promotes the exchange of solution ideas and innovations for a circular plastics economy.

[MORE INFORMATION](#)

We make materials fit for the future!

Creative solutions are the key to overcoming the challenges of the present and the future - whether they be climate change, pandemics, the energy transition, structural change or new mobility concepts.

Fraunhofer IAP tackles these challenges through innovative materials, processes and technologies, targeting the entire value chain - from the idea to the customized prototype.



Our subject areas:

- BIOECONOMY and SUSTAINABILITY
- ENERGY TRANSITION and MOBILITY
- HEALTH and QUALITY of LIFE
- INDUSTRY and TECHNOLOGY

[TO THE HOMEPAGE](#)

Potsdam Science Park

Fraunhofer IAP is part of the largest science location in the state of Brandenburg: the Potsdam Science Park. Just 30 minutes from the center of Berlin, more than 12,500 people research, work and study in the fields of biotechnology, medical technology, optics, geosciences, astrophysics and gravitational physics. On an area of more than 50 hectares, the innovation- and founder-friendly park continues to offer office and laboratory space for startups and ready-to-build plots for small and medium-sized companies. We live science!

[TO THE HOMEPAGE OF THE POTSDAM SCIENCE PARK](#)

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Fraunhofer is Europe's largest application-oriented research organization. Our research efforts are geared entirely to people's needs: health, security, communication, energy and the environment. As a result, the work undertaken by our researchers and developers has a significant impact on people's lives. We are creative. We shape technology. We design products. We improve methods and techniques. We open up new vistas. In short, we forge the future.

Fraunhofer Institute for Applied Polymer
Research IAP

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