

We make polymers fit for future!

Dear Ladies and Gentlemen

there are remarkable weeks and months behind us. Not only the ad hoc conversion of part of our current operations to digital is remarkable. We are much more pleased about the fact that we have been able to continue our projects successfully with you as customers, partners and friends of the Fraunhofer IAP, and that we were able to complete them on schedule. Numerous new networks have been formed, in which we will contribute our expertise, for example in the functionalization of surfaces or in accelerating the innovation chain of paper and plastic products.

The success of recent years also explains the construction of a new research and laboratory building for our "Polymer Materials and Composite PYCO" department in Wildau, which we expect to be handed over in the near future. Our expertise in the field of polymer-based lightweight construction with fibre-plastic composites and complex fibre-composite components in multi-material design, bundled in one place, makes a sustainable contribution to strengthening Brandenburg as a research and development location.

The Fraunhofer IAP is looking forward to the second half of 2020. We would like to invite you to do this with your project ideas and innovative projects together with us.



Prof. Alexander Böker

NEWS FROM RESEARCH AND DEVELOPMENT

Biodegradability of microcapsules



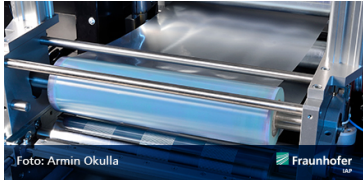
But to what extent are these modified biobased microcapsules still biodegradable? A team of researchers at the Fraunhofer Institute for Applied Polymer Research IAP is focusing on this question.

[MORE INFORMATION](#)

[Initiative FlexFunction2Sustain](#)

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Roll-to-roll processes: Network R2RNet bundles expertise for the continuous functionalization of surfaces



21 European partners are pooling expertise to make more efficient use of role-to-role (R2R) procedures: Functionalization of surfaces at high productivity & low costs. The R2RNet is available for users and interested parties.

[MORE INFORMATION](#)

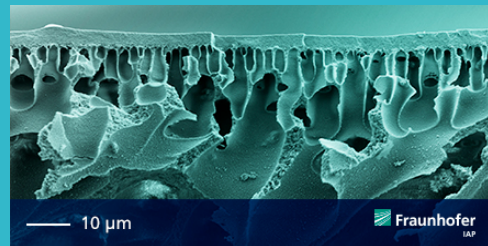
ON OUR OWN ACCOUNT

Construction progress in Wildau



In the future, a large part of the lightweight construction expertise of the PYCO research area will be bundled at the Wildau location. After laying the foundation stone in June 2018, the shell of the new office and laboratory building was completed in April 2019. Currently, the technical interior construction is in full swing. The building is expected to be handed over at the end of 2020.

New department homepage



Our department "Membranes and Functional Films" welcomes you on a new homepage. Here you will find detailed information about the comprehensive services, current research topics and the various applications of membranes and functional films.

[TO THE NEW WEBSITE](#)

[Current vacancies](#)

[Research in the field of nanoparticle cell interactions](#)

[Various Bachelor's and Master's theses](#)

We make polymers fit for future!

At the Fraunhofer IAP we develop bio-based and synthetic polymers that are efficient, intelligent and sustainable - from the laboratory to industrial scale.

The applications are manifold: bio-based packaging, materials for lightweight construction, phosphors for displays, truck tires with less abrasion, biodegradable bone splints, antimicrobial contact lenses and much more.

[TO THE HOMEPAGE](#)

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