

Dear Sir or Madam,

Everyone knows about full streets and traffic jams in the city, that is why Fraunhofer is researching in the Albacopter project on an aircraft that is used in inner cities and can glide, take off and land efficiently like an albatross. More on this and other exciting topics in this newsletter.

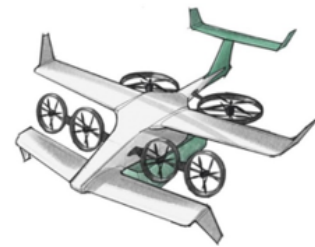
Stay healthy and have fun reading



Your Fraunhofer IMS Team

ALBACOPTER – Experimental Vertical Take-Off and Landing Glider

With the Fraunhofer lead project ALBACOPTER, the Fraunhofer IMS is starting the new year 2021 with full energy. The ALBACOPTER is an experimental platform with the aim of developing innovative technology approaches that combine the advantages of agile multicopters with the efficiency of gliders.

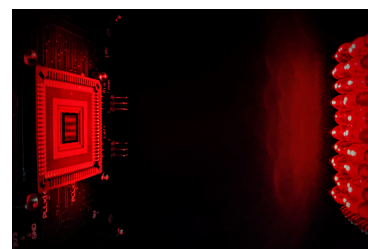


PRESS RELEASE

SPAD QRNG

Quantum Random from image sensors

Secure communication requires trusted random numbers and securely generated keys. Fraunhofer IMS harnesses suitable quantum mechanical effects for this purpose by using its highly sensitive image sensors as a Quantum Random Number Generator (QRNG).



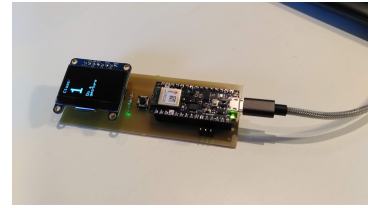
PRESS RELEASE

LoRa

Personalised gesture recognition

The IMS is researching personalisable AI so that devices can adapt to their users.

To demonstrate this, the AlfES team has developed a demonstrator for personalisable gesture recognition that can be trained directly on the system.



[MORE INFO](#)

Velektronik

Research project creates networking platform for trusted electronics

In order to use electronics safely and reliably, it must be possible to understand where they come from, what they do and how they are constructed. Although there are currently a number of technical solutions for trusted electronics, there is not yet an end-to-end methodology for reliability that adequately covers the entire value chain. The research project launched in March 2021 will start here.



[PRESS RELEASE](#)

21/22-24 September 2022

Biomaterials Congress Essen

The annual congress of the German Society for Biomaterials will take place at the University of Essen on 21/22 - 24 September 2022.

The topics of the congress are "NanoBio-Materials", "3D-Bioprinting", "Immunomodulation" and many more.

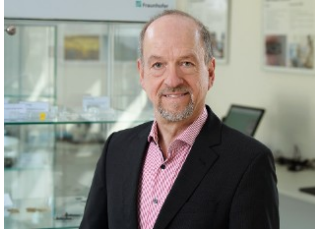
Further information is available on the [Fraunhofer IMS homepage](#), the [flyer for the event](#) and the [website of the DGBM congress](#).

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