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Newsletter of Fraunhofer IMS



IMS CAP51 | Project EnABLES | Realraum Innovations Laboratory | LiDAR | Infrared line sensors

ASICs IMS-CAP51

As part of a project, a readout ASIC for sensor systems based on capacitive, micromechanical sensor elements was developed, which on the one hand meets the required noise specifications and on the other hand enables cost-effective mass production in established, CMOS-compatible manufacturing processes. The result is the IMS-CAP51. The flexible interface allows use as a frontend for a wide range of capacitive sensors such as accelerometers or pressure sensors. Depending on the measuring range and application, the input-related noise achieved is less than 50 zF / \sqrt{Hz} .



MORE INFO

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Wireless and Transponder Systems Project EnABLES



Is a research infrastructure project to develop energy solutions based on energy harvesting, storage, micro power management and system integration activities to strengthen





Erauphofer IMS LIDAR

we present complex and

associated increasing

sensors can be examined at our booth. In addition, we show how uncooled infrared sensors (microbolometers) can be used to efficiently record and count objects and people.

MORE INFO

high precision readout ASICs for inductive and capacitive sensors. In order to remain "cool" even at ambient temperatures of up to 300 ° C, the IMS hightemperature process for smart high-temperature mixed signal ASICs is available.

MORE INFO

connectivity in the industrial sector calls for increased data security and protection. The "Physically Unclonable Functions" (PUF) from Fraunhofer IMS offers you a solution.

MORE INFO

Fraunhofer IMS Annual Report 2017

We would like to invite you to take a look at our annual report. Here you will find interesting information about our 8 divisions and selected projects as well as a list of our publications and scientific theses that you should not miss.

ANNUAL REPORT

→ Download can be found here

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New privacy policy

In the course of the General Data Protection Regulation (DSGVO), we have changed our privacy policy on our website. The deregistration from the newsletter of the Fraunhofer IMS is possible at any time, e.g. via a link at the end of each newsletter. Alternatively, you can also send your unsubscribe request to info@ims.fraunhofer.de.



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