Fraunhofer IMS

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Newsletter of the Fraunhofer IMS

Ichó Systems | Artificial Neural Network | LASER COMPONENTS | MWIR+LWIR-IRFPA

Embedded Systems

AIfES - Artificial Intelligence for Embedded Systems

Artificial Neural Network (KNN) for microcontrollers and embedded systems. The Fraunhofer IMS has developed a feedforward artificial neural network (KNN) in the programming language C, which can be used platform independent.

MORE INFO

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CMOS Image Sensors

Two strong partners for LiDAR-technology of the future

LASER COMPONENTS and the Fraunhofer-Institute for Microelectronic Circuits and Systems IMS have signed a cooperation agreement and will collaborate closely in the future. Especially in the field of LiDAR technologies, both partners promise fresh impetus.

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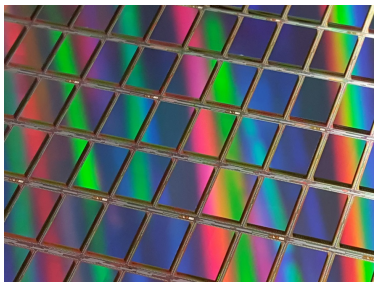
IR Imagers

Uncooled Infrared focal plane array for mid- and long-wave (MWIR+LWIR) applications

The latest generation of high sensitive uncooled IRFPAs using 320 x 256 pixels for LWIR and MWIR range achieves a significantly improved temperature measurement.



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inHaus-Center

Ichó Systems

Glow, speak, vibrate – the interactive therapy ball “ichó” of the Duisburger startup ichó-systems is able to do all of this and even more – and while doing this it helps people suffering from dementia. Now, this young business is the first startup-partner of the Fraunhofer-inHaus-Center in Duisburg. The cooperation is a gain for everyone involved.

MORE INFO | TO THE WEBSITE

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Events | Fairs

We look forward to welcoming you personally

Save the Date

to our booth!

VISON 2018:

LiDAR Technologies:

• We will present a rover vehicle which drives autonomosly with LiDAR CMOS Technology without touching obstacles

• The SPAD-LiDAR Camera Owl for reliable and fast distance measurements

Uncooled Infrared Sensors (IRFPAs):

• The uncooled infrared sensors based on an in-house developed microbolometer process for applications in the wavelength range of 3 µm to 5 µm and 8 µm to 14 µm.

• Classification and Counting of people by high-resolution uncooled infrared sensors even in bad visible conditions e.g. darkness, fog, smoke, low sun

Electronica + SPS IPC Drives:

Complex and High-Precision Selection ASICs for inductive and capacitive sensors and wireless applications are opening new doors for Industry 4.0. The associated increasing networking in the industrial sector calls for increased data security and protection. With the "Physically Unclonable Functions" (PUF), the Fraunhofer IMS provides you with a solution to this.

MORE ABOUT OUR FAIRS

VISION

06.-08.11.2018 in Stuttgart, booth **1D73**

The world's leading trade fair for image processing

→ Outlook

Save the Date

Electronica

13.-16.11.2018 in Munich, booth **C3-409**

The world's leading trade fair for components, systems and applications in electronics

→ Outlook

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PLC IPC Drives

27.-29.11.2018 in Nuremberg, booth **7A-301**

Experience the whole world of smart and digital automation

→ Outlook

Contact

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