

May 20th and 21st, 2014

7th FRAUNHOFER IMS WORKSHOP
CMOS IMAGING
FROM PHOTON TO CAMERA

 Name / First Name / Title

 Affiliation

 Address

 Phone / Fax

 E-Mail

 Signature

Please, send this completed registration form: either as scan to cornelia.metz@ims.fraunhofer.de or by fax to +49 203 3783-278 until April 30th, 2014, at the latest.

Please note

Registrations are subject to space availability and will be confirmed only after fee payment!

Workshop Fee

550 € (Registration before March 31th, 2014)

700 € (Registration before April 30th, 2014)

The workshop fee includes a USB memory stick with all presentations, lunches, and the evening event on May 20th, 2014.

Cancellations

Half of the payment will be reimbursed for cancellations received before April 30th, 2014. Later cancellations will not be reimbursed!

Terms of Payment

After reception of the registration form, an invoice will be sent to the participants and the fee has to be transferred under reference of the invoice number until April 30th, 2014, at the latest. Payment by credit card is not possible.

Contact at Fraunhofer IMS:

Cornelia Metz

Phone +49 203 / 3783-210

Fax +49 203 / 3783-278

cornelia.metz@ims.fraunhofer.de

www.ims.fraunhofer.de

Location:

Fraunhofer-inHaus-Zentrum

Forsthausweg 1

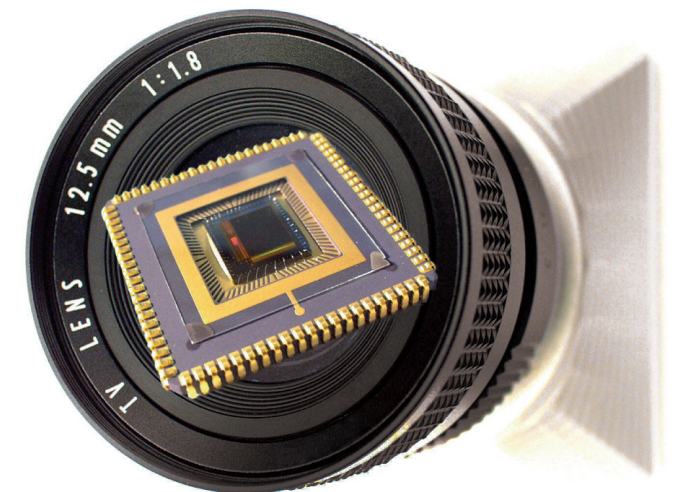
47057 Duisburg

Phone +49 203 / 713967-0

www.inhaus.fraunhofer.de

For hotel recommendation and further information see:

<http://www.ims.fraunhofer.de/en/veranstaltungen.html>



Organization

The members of the Programme Committee are Prof. Bedrich Hosticka, Ph.D., Mr. Werner Brockherde, Dr. Daniel Durini, and Dr. Andreas Spickermann. Workshop secretary is Mrs. Cornelia Metz.

Workshop Venue

The workshop will be held at the Fraunhofer inHaus-Zentrum in Duisburg. This center is located downtown Duisburg within 5 minutes walk from the Fraunhofer Institute and can be easily reached either from Duisburg Central Railway Station or from Duesseldorf International Airport.

Evening Event on May 20th, 2014

A dinner is going to take place in the »Haus Seeblick« which is located at the recreation area »Sechs-Seen-Platte« in Duisburg.

09:30 - 09:45

Welcome

Anton Grabmaier, Fraunhofer IMS

CMOS TECHNOLOGY FOR IMAGING

09:45 - 10:30

Fundamentals of CMOS Imaging: the Pinned Photodiode

Albert Theuwissen, Harvest Imaging

10:30 - 11:15

Evolution and Limitations for Mobile Image Sensors

Robert Gove, Aptina

11:15 - 12:00

CMOS Imagers for Digital Still Cameras

Guy Meynants, CMOSIS

12:00 - 13:00

Lunch

EXTENDED SPECTRUM IMAGER

13:00 - 13:45

SWIR InGaAs FPAs for Passive and Active Day & Night Vision

Jan Vermeiren, Xenics

13:45 - 14:30

Hyperspectral Imagers

Piet de Moor, IMEC

14:30 - 15:00

Break

SINGLE-PHOTON COUNTING TECHNOLOGIES

15:00 - 15:45

SPADs for Single-Photon Imaging in the Near Infrared

Alberto Tosi, Politecnico di Milano

15:45 - 16:30

CMOS Technology for SPAD/SiPM

Daniel Durini, FZ Jülich

16:30 - 17:15

SPAD-Based ToF-Imaging for Automotive Safety Applications

Cristiano Niclass, Toyota Central R&D Labs

as of 17:30

Evening Event

ADVANCED DETECTOR TECHNOLOGIES

9:00 - 9:45

CMOS Spectroscopy Using LDPDs

Werner Brockherde, Fraunhofer IMS

9:45 - 10:30

Silicon X-Ray Detectors – in Heaven and on Earth

Lothar Strüder, PNSensor

10:30 - 11:00

Break

CAMERAS AND APPLICATIONS

11:00 - 11:45

Merging Technologies for Multi-Aperture Cameras

Andreas Bräuer, Fraunhofer IOF

11:45 - 12:15

Lightfield Cameras

Christian Perwaß, Raytrix

12:15 - 13:15

Lunch

13:15 - 14:00

Computational Imaging for Industrial Applications

Svorad Štolc, AIT Austrian Institute of Technology

14:00 - 14:45

Industrial Cameras

Jochen Herrmann, Adimec

14:45 - 15:30

High Resolution Earth Observation Cameras

Andreas Eckardt, DLR

as of 15:30

Visit of the Fraunhofer wafer fab (subject to space availability)