

June 12th and 13th, 2012

6th FRAUNHOFER IMS WORKSHOP
CMOS IMAGING
EXTENDING THE DIMENSIONS

 Name / First Name / Title

 Affiliation

 Address

 Phone / Fax

 E-Mail

 Signature

Please send this completed registration form by May 15th, 2012, at the latest. Fax: +49 203 3783-278

Please note

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

Workshop Fee

550 € (Registration before April 15th, 2012)

700 € (Registration before May 15th, 2012)

The workshop fee includes a USB memory stick with all presentations, lunches, and the evening event on June 12th, 2012.

Cancellations

Half of the payment will be reimbursed for cancellations received before May 15th, 2012. 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 May 15th, 2012, at the latest. Payment by credit card is not possible.

Contact at Fraunhofer IMS:

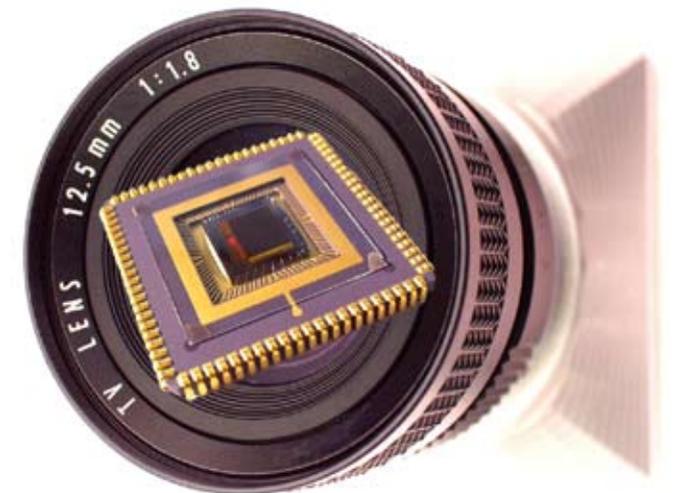
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Location:

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>



Objectives and Scope

The past CMOS Imaging Workshops were a great success and were met with very high interest. We want to continue providing a forum to the European industry and academia for important themes on technology, design, and applications of CMOS-based image sensors and systems as well as facilitate discussions on related topics.

Organization

The members of the Program Committee are Prof. Bedrich Hosticka, Ph.D., Mr. Werner Brockherde, and Dr. Daniel Durini. 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 June 12th, 2012

A dinner is going to take place in the »Seehaus« which is located at the Wedau regatta course in Duisburg.

10:00-10:15

Welcome Address

Anton Grabmaier, Fraunhofer IMS

2D-IMAGING

10:15-11:00

Worse Imagers – Better Images

Albert Theuwissen, Harvest Imaging

11:00-11:45

Optimizing the Heart of Modern CIS Pixels:

The Pinned Diode and Beyond

Amos Fenigstein, TowerJazz

11:45-12:30

CMOS Imagers for Professional Applications

Rainer Schweer, Viimagic
Peter Centen, Grass Valley

12:30-13:30

Lunch

13:30-14:15

Space Imaging

Dirk Viehmann, Astrium

3D-TIME-OF-FLIGHT IMAGING

14:15-15:00

3D-ToF Imaging with PMD Sensors - Application Requirements and Solutions

Robert Lange, PMD Technologies

15:00-15:30

Break

15:30-16:15

CAPDs and 3D-ToF Imaging

Daniel van Nieuwenhove, SoftKinetic

16:15-17:00

CMOS Sensors for ToF Ranging

Werner Brockherde, Fraunhofer IMS

as of 17:00

Evening Event

NONVISIBLE-IMAGING

9:00-9:45

Thermal Imagers Based on Uncooled Microbolometers

Holger Vogt, Fraunhofer IMS

9:45-10:30

Medical X-Ray Imaging Using Wafer-Scale CMOS Image Sensors

Jan Bosiers, Teledyne DALSA

10:30-11:00

Break

OPTICS & CAMERA TESTING

11:00-11:45

Optics for CMOS Imagers

Ziv Attar, OpEra Optics

11:45-12:30

Camera Characterisation Based on EMVA 1288

Bernd Jähne, University of Heidelberg

12:30-13:30

Lunch

SPAD-IMAGING

13:30-14:15

Scaleable SPAD Structures for High Resolution Single Photon Image Sensors

Robert Henderson, University of Edinburgh

14:15-15:00

Fully Integrated Arrays of DIGITAL Si-Photomultipliers

York Hämisch, Philips

15:00-15:45

SPAD-Technology and Applications

Franco Zappa, Politecnico di Milano

as of 16:00

Visit of wafer fab and inHaus-Zentrum (subject to space availability)