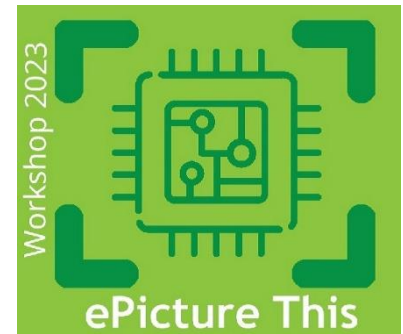


ePicture This 2023

Date Event: 21 June

Location: Delft University of Technology

City: Delft, Netherlands



On Wednesday, June 21, 2023, the Penta projects Mantis Vision and Imagination organised a one-day workshop called **ePicture This**. The workshop took place at the Delft University of Technology in the Netherlands. This inspiring workshop provided a unique opportunity to interact with experts in imaging technologies. We brought together about **50 experts in image sensor design, image processing in the widest sense, and image capture design**. The programme included **3 keynote speeches** by **Judith Dijk** from **TNO**, **Arie den Boef** from **ASML** and **Albert Theuwissen** from **Harvest Imaging**, followed by **10 technical presentations** from industrial partners.



Judith Dijk

TNO, Netherlands



Arie J. den Boef

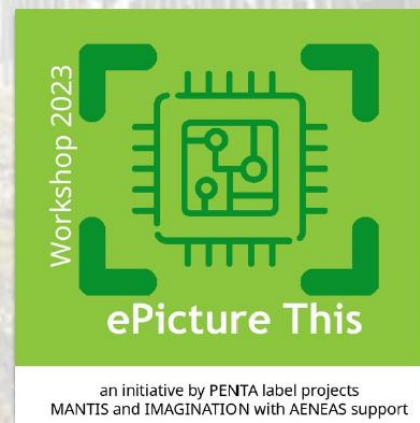
ASML, Netherlands



Albert Theuwissen

Harvest Imaging, Belgium

3 Keynotes
10 Presentations



Agenda

Time	Agenda point
13:00-13:10	Welcome address, agenda, project overview
13:10-13:50	Keynote presentation. Albert Theuwissen (Harvest Imaging and Delft University of Technology): CIS STACKING TECHNOLOGY - overview and future outlook.
	Image capture presentations
13:50-14:10	Adi Xhakoni, ams OSRAM. A 0.5Mpixel global-shutter image sensor with NIR QE enhancement, 20mW power consumption and smart event detection modes.
14:10-14:30	Dirk Meier, Electronics AS. Development of a Thermal Infrared Image Sensor Module
14:30-14:50	Caeleste. Charge domain binning using potential differences between photodiodes.
14:50-15:10	Thierry Berthou. COLOR SHADES®: a versatile Snapshot Multispectral Imaging Technology for a wide range of applications
	<i>Coffee break</i>
15:40-16:20	Keynote presentation. Arie den Boef, ASML. Image sensors for optical metrology in semiconductor device manufacturing
	Image Processing presentations
16:20-16:40	Allan Barrea, intoPIX. JPEG XS – Lightweight compression
16:40-17:00	Paulo Possa, Euresys. High Speed Interfaces for Machine Vision
	Image systems tooling and interfacing presentations
17:00-17:20	Dennis van Beek, Adimec. How active alignment maximizes performance of optical imaging systems.
17:20-17:40	Piet Bijl, TNO. Performance characterization of advanced Electro-Optical and Infrared imaging systems
18:40-19:20	Keynote presentation. Judith Dijk, TNO. AI in Optronics
	Image analysis presentations
19:20-19:40	Boris Lenseigne, Julia Cohen, LR Technologies. Machine Learning for Computer Vision, a Case Study in Human-Machine Interaction.
19:40-20:00	Ljubomir Jovanov, imec-Ghent University. Multi-sensor data fusion for VRU detection.
20:00-21:15	<i>Closing Words, followed by networking & Presentation Award</i>

