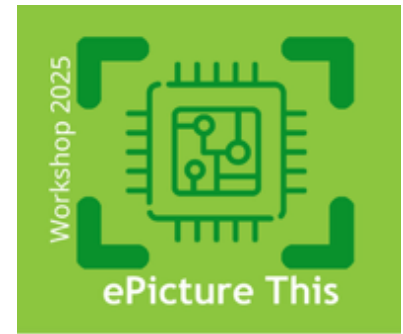


ePicture This 2025

Date Event: 28 October

Location: TU-Eindhoven

City: Eindhoven, Netherlands



On **Tuesday, 28 October 2025**, we held the **3rd edition of 'ePicture This'** - an international industrial workshop on imaging, hosted by TU/e. The workshop attracted interest from leading imaging companies across Europe. Speakers from 3DHitech (Hungary), Inria (France), Grass Valley (UK), Teledyne E2V (France/Spain), Philips (NL), Essens (Belgium), and ASML (NL) presented their latest research in imaging AI, sensor design, and Tier-1 imaging applications.

The Senaatzaal at TU/e was fully booked with participants. As always, the coffee breaks were the most fruitful moments for idea exchange, networking, and plenty of laughs. We were also gently censured by TU/e management for the extensive use of the vuvuzela, loudly announcing the start of each session.

The **Best Presentation Award**, decided by the jury, went to **Leo Kampmeijer (TNO)** for his talk **'Shared situational awareness in robotic perimeter surveillance.'** The workshop was supported by XECS, AENEAS, and ITEA4.

The organizers - **Egor Bondarev (AIMS lab, SPS, EE, TU/e)**, **Klaas Jan Damstra (Grass Valley)**, **Marcel Dijkema (Adimec Teledyne)**, and **Sandra K.R. (TU Delft)** - are very thankful to the keynote speakers, presenters, and audience for the in-depth discussions and fun during the event.



François Brémond

INRIA, France



Rafael Romay

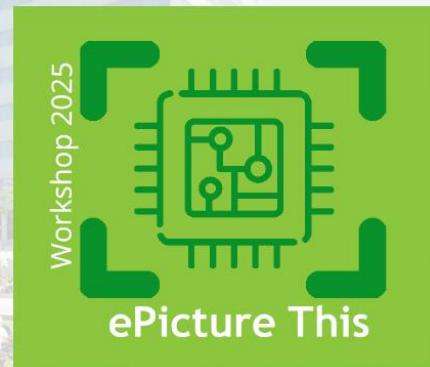
Teledyne E2V, France/Spain



Ian Fletcher

Grass Valley, United Kingdom

3 Keynotes
10 Presentations



An initiative by PENTA/XECS label projects ENTERTAIN, IMAGINATION and ELEVATION supported by AENEAS



Agenda

Time	Agenda point	Organisation	EU Project / Label
08:30 – 09:10	Registration		
09:10 – 09:20	Welcome address, agenda, projects overview		
09:20 – 10:00	Keynote presentation #1: PROCESSING François Brémond – Action Recognition for People Monitoring	INRIA, France	STARS
10:00 – 10:25	Boris Lenseigne - A Virtual Reality system to study social interactions and collective behaviour in fish	Izital BV, France	VR-Fishschool / ANR
10:25 – 10:50	Egor Bondarev - Railway Near-Miss Detection and Incident Analysis	TU/e, Netherlands	SINTRA / ITEA
10:50 – 11:15	Ljubomir Jovanov – Multiview sensor fusion for improved traffic safety Download presentation slides	IMEC-Ghent University, Belgium	Distrimuse / KDT
11:15 – 11:35	<i>Coffee break</i>		
11:35 – 12:00	Leo Kampmeijer - Shared situational awareness in robotic perimeter surveillance	TNO, Netherlands	-
12:00 – 12:40	Keynote presentation #2: CAPTURING Rafael Romay - 3D stacked technologies applied to Custom CMOS Image Sensors: A very solid reason to invest in differentiation Download presentation slides	Teledyne E2V, France/Spain	-
12:40 – 13:30	<i>Lunch</i>		
13:30 – 13:55	Poonam Devi - Post-processing the future of imaging: towards broadband CMOS image sensors	TU Delft, Netherlands	Imagination / PENTA
13:55 – 14:20	Adi Xhakoni – Global shutter image sensors: architectures, markets and pixel evolutions	Essens IC, Belgium	-
14:20 – 15:00	Keynote presentation #3: APPLICATION Ian Fletcher - Living Life on the Edge: Leveraging Cloud-First, Edge-Enabled Architectures for Remote Production	Grass Valley, United Kingdom	-
15:00 – 15:20	<i>Coffee break</i>		
15:20 – 15:45	Thomas Parton – Emerging trends in in-Cabin automotive sensing driving 3D Time-of-Flight innovation. Download presentation slides	Melexis, Belgium	Imagination / PENTA
15:45 – 16:10	Gergely Kovách - Imaging the World of Tissues and Cells – Digital Pathology as a Modern Imaging Application	3DHitech, Hungary	Entertain / XECS
16:10 – 16:35	Chrysostomos Batistakis - Machine-learning assisted photolithography characterization using optical metrology	ASML, Netherlands	-
16:35 – 17:00	Robert Hofsink - Clinical workflow optimizations in Image Guided Therapy	Philips Image Guided Therapy, Netherlands	IWISH / ITEA
17:00 – 17:15	<i>Closing</i>		
17:15 – 18:15	<i>Networking drinks</i>		
17:45 – 18:00	<i>Presentation Award</i>		

