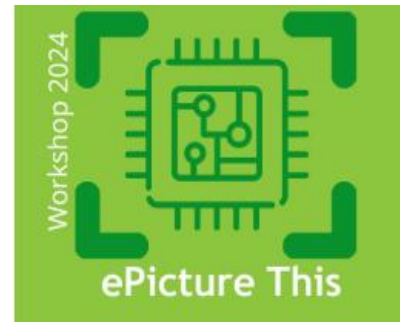


ePicture This 2024

Date Event: 26 September

Location: TU-Eindhoven

City: Eindhoven, Netherlands



Building on the tremendous success of ePicture This 2023, the Penta projects **Mantis Vision** and **Imagination**, in collaboration with the Xecs project **Elevation**, proudly hosted the second edition of the one-day workshop **ePicture This 2024** on September 26th, 2024, at Eindhoven University of Technology (TU/e) in the Netherlands. This inspiring workshop offered a unique platform for engaging with leading experts in imaging technologies. The event brought together about **55 specialists** in fields of **image sensor design, image processing, and image capture systems**. The program featured **3 keynote speeches** delivered by **Guy Meynants (Professor, KU Leuven, Belgium)**, **Peter H.N. de With (Professor, TU Eindhoven, Netherlands)**, and **Gordon Hamilton (CEO and Co-Founder, Depixus, France)**. Additionally, participants benefited from **9 technical presentations** delivered by prominent industrial partners, fostering insightful discussions and knowledge exchange.



Peter de With
TU/e, Netherlands



Guy Meynants
KU Leuven, Belgium



Gordon Hamilton
Depixus, France

3 Keynotes
9 Presentations



Agenda

Time	Agenda point	Organisation	EU Project / Label
09:30-09:40	Welcome address, agenda, projects overview		
09:40-10:20	Keynote presentation #1: Peter de With - Towards real-time analysis systems for automated phenotyping of livestock	TU/e, Netherlands	
	Computer Vision and AI presentations		
10:20-10:45	Accidentology and Monitored Deployment - Pieter Jonker	TU Delft, Netherlands	
10:45-11:10	Geo-spatial traffic behaviour analysis and anomaly detection - Egor Bondarev	TU/e, Netherlands	SMART (ITEA)
11:10-11:30	Coffee break		
11:30-11:55	Automated visual traffic surveillance system for traffic analysis – Dick Scholte	ViNotion, Netherlands	Convolve (H2020)
11:55-12:20	Optimizing deep learning for inference - Floran de Putter	TU/e, Netherlands	
12:20-13:00	Lunch break		
13:00-13:40	Keynote presentation #2 Guy Meynants - CMOS Image sensors for machine vision in the era of artificial intelligence	KU Leuven, Belgium	
	Image capture presentations		
13:40-14:05	SWIR – A Hitchhiker's Guide: Sipping Champagne Riding the Light Waves - Devi Poonam	TU Delft, Netherlands	Imagination (PENTA)
14:05-14:30	Uncooled long wave infrared sensors/camera - Sander Gierkink	Teledyne Dalsa, Netherlands	
14:30-14:55	Advancing Towards Multispectral Infrared Imaging - Elahe Zakizade	Fraunhofer IMS, Germany	Related to Mantis Vision
14:55-15:15	Coffee break		
15:15-15:55	Keynote presentation #3: Gordon Hamilton - Illuminating the invisible: visualizing biomolecular interactions with magnetic force spectroscopy	Depixus, France	
15:55-16:20	Real-world performance of small Object Detection - Michel van Lier	TNO, Netherlands	Mantis Vision (PENTA)
16:20-16:45	Cameras and LED walls - A challenging relationship - Klaus Weber	Grass Valley, Netherlands	Mantis Vision (PENTA)
16:45-16:55	Closing		
17:00-18:00	Networking. Presentation Award		

Highlights from 2024

