

PRESS RELEASE

for immediate release

Andreas Breyer
Manager Media Relations

Mobile +49 151 1242 8585
E-Mail press@emva.org

October 23rd, 2024

7th European Machine Vision Forum gathers Research and Industry in Mulhouse, France

Focal Topic addresses Challenges and Chances in Computer Vision for Human-Machine Interaction

Barcelona, October 23rd, 2024. Hosted by the EMVA, the seventh European Machine Vision Forum on November 7 - 8 in Mulhouse, France, once again brings together machine vision experts from academia and industry for mutual exchange in a unique setting. The on-site host this year is École Nationale Supérieure d'Ingénieurs Sud-Alsace (ENSISA) of the Université de Haute-Alsace.

This time the focal topic is “Challenges and Opportunities in Computer Vision for Human-Machine Interaction”. The Chair of the European Machine Vision Forum, Professor Michael Heizmann, explains the intention behind the choice of topic: “While machine vision often focuses on the automation of monitoring, control and inspection tasks without human intervention, this year's focus is on integrating humans as part of an overall system. This is relevant in many application areas, e.g. for assembly tasks in industry, but also when driving vehicles or playing computer games. Some technical issues are relevant in all of these domains, such as the choice of suitable sensor technology, the selection and parameterization of image processing methods and dealing with the always variable

appearance of people. Issues such as the consideration of personal rights also often play an important role. At the forum, such aspects will be addressed in presentations and poster contributions. In addition, current research results and new applications in the entire field of machine vision will be presented.”

The first keynote lecture of the event is titled “Optical Measurements: From the Laboratory to Industry” and will be given by Jean-Pierre Chambard, HOLO3 Research Centre, Saint-Louis, France. The afternoon session of the first conference day will be opened by the second keynote speaker Maria-Theresa Licka of MAIMY and University of Kaiserslautern, Germany talking about “Machine Vision Solutions on Mobile Devices - Scaling Human-Machine Interaction”.

In his keynote talk on the second day of the event Christian Daul, CRAN, University of Lorraine and CNRS, Nancy, France will talk about “Improving Endoscopic Data Acquisition and Interpretation using 2D and 3D Mosaicing Algorithms for Poor Image Content”.

In addition to that, more than a dozen top-notch presentations will be given by representatives from industry and academia highlighting various aspects of the focal topic “Challenges and Chances in Computer Vision for Human-Machine Interaction”.

For more information on the forum, visit www.european-forum-emva.org.

About the European Machine Vision Forum

The European Machine Vision Forum is an annual event of the European Machine Vision Association - EMVA. The aim is to foster interaction between the machine vision industry and academic research to learn from each other, discuss the newest research results as well as challenges from applications, learn about emerging application fields, and to discuss research cooperation between industry and academic institutes. The overall aim is to accelerate innovation by translating new re-search results faster into practice. The forum is directed to scientists, development engineers, software and hardware engineers, and programmers both from research and industry.

About EMVA

Founded in 2003, the European Machine Vision Association (EMVA) is a non-for-profit and non-commercial association representing the Machine Vision industry in Europe that is open for all types of organizations having a stake in machine vision, computer vision, embedded vision or imaging technologies: manufacturers, system and machine builders, integrators, distributors, consultancies, research organizations and academia. The EMVA hosts four international vision standards, and all members – as the 100% owners of the association – benefit from the dedicated networking, standardization, and cooperation activities of the EMVA. www.emva.org