

PRESS RELEASE

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8th European Machine Vision Forum in Fürth/Germany – Research meets Application

**Focal topic „Imaging the Invisible“ with the latest findings from
sensor technology beyond human perception**

Barcelona; September 11th, 2025. At the European Machine Vision Forum 2025 organized by EMVA, which will take place this year on October 16th and 17th in Fürth, Germany, machine vision experts from science and industry will once again meet in a unique setting to exchange ideas. The event will be hosted by the Fraunhofer Development Center for X-ray Technology at Fraunhofer IIS.

Regarding the forum's focal topic, "Imaging the Invisible," the forum chair Professor Michael Heizmann explains: "Our headline in 2025 addresses new capabilities and research findings in the field of sensor technology. A lot has happened in this area in recent years. We can see this, for example, at the host Development Center for X-ray Technology at Fraunhofer IIS, where another high-energy hall for X-ray inspection of very large objects is nearing completion. The fact that we will be able to experience these latest facilities live on site will certainly make the European Machine Vision Forum 2025 an unforgettable experience for participants." In addition, other sensor principles presented in this year's program also open up possibilities for obtaining more information than is visible to the human eye. These

include terahertz, multi- and hyperspectral data, radar, thermography, and single photon imaging. In most cases, the aim is to learn something about the material or internal structure of objects that humans cannot perceive.

The host institute will deliver the opening keynote “X-ray Technology – Key for Overcoming Technological and Economic Challenges,” given by Michael Salamon, group manager for high-energy X-ray systems at the Fraunhofer IIS Development Center for X-ray Technology. Jeroen Kalkman, Associate Professor at TU Delft, will focus on 3D imaging in his keynote speech on the afternoon of the first conference day with his presentation “Advancements in 3D Imaging Using Optical Coherence Tomography.” Marco Beijersbergen, CEO of Cosine, a company specializing in optical space instruments, will address the topic of multispectral imaging in his keynote speech “Multispectral Sensors for Space Applications” on the morning of the second day. The other presentations will showcase a wide variety of sensor principles in their latest state of development.

The program is complemented by poster presentations, an exhibition area, and ample space for networking among participants. “Meaningful collaborations usually arise at the interfaces between technologies and applications,” emphasizes forum chair Prof. Heizmann in this context. “It is therefore extremely important that user companies are informed about new technologies and, on the other hand, that research institutions learn about the specific problems faced by users. This exchange is the main purpose of the forum.”

The host institute is eagerly anticipating the event, as Dr. Norman Uhlmann, Division Director the Development Center for X-ray Technology of the Fraunhofer IIS, Fürth, confirms: “We are thrilled to host the 2025 European Machine Vision Forum and will contribute to the event by presenting some of the latest developments of its x-ray technologies, such as the XXL computer tomography where high x-ray energies enable the full 3d examination of very large objects such as, for example, assembled vehicles.”

More information about the 8th European Machine Vision Forum and registration at www.european-forum-emva.org.

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.