

Press Release

Roboception and DLR Receive euRobotics Technology Transfer Award

euRobotics Association recognizes Roboception's rc_visard as an outstanding example of technology transfer between research and industry

Tampere, Finland, 14. March 2018. The German Aerospace Center (DLR) and Munich-based robotic start-up Roboception have been awarded the "euRobotics Technology Transfer Award" in recognition of the successful go-to-market of the rc_visard, an innovative 3D stereo sensor for robotic vision.

The aim of the "euRobotics Technology Transfer Award" (now in its 15th year) is to showcase the impact of robotics research and to raise the profile of technology transfer between science and industry. Outstanding innovations in robot technology and automation that result from cooperative efforts between research and industry are eligible for the prize.

At this week's European Robotics Forum (ERF) in Tampere, Finland, the jury chose the rc_visard from among four pre-selected finalists and handed the much sought-after trophy to Roboception's CEO Dr. Michael Suppa and Prof. Dr. Alin Albu-Schaeffer, Head of the DLR's Institute of Robotics and Mechatronics.

"This award is a recognition of our institute's continued efforts of supporting the go-to-market of technologies developed at our institute or – as in this case – derived thereof," said Prof. Albu-Schaeffer.

Dr. Suppa recapitulates that "since spinning Roboception off the DLR in 2015, a significant amount of thought, hard work and – first and foremost – unfailing commitment of our team have gone into bringing this technology from a research state to a market-ready product. And we are very proud to see these efforts recognized by the jury, and rewarded with this prestigious award."

The rc_visard is already in operational use in a number of customer projects across a variety of robotic domains. Prof. Albu-Schaeffer, an enthused rc_visard user at his DLR Institute himself, is convinced that "this product is one that will shape the future of robotics, thanks to its unique versatility."

Website

www.roboception.com

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<https://www.facebook.com/roboception/>

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About the rc_visard

The rc_visard is the world's first 3D sensor that allows robots to perceive their environment in 3D and localize themselves autonomously.

It consists of at least one camera, one IMU, and associated algorithms for processing the image data and making the data fusion with the point cloud. In addition to the registered point clouds, rc_visard also provides depth data, quality and confidence values, image data and dynamically measured variables, e.g. speed and accelerations.

The rc_visard is available in two different versions, with baselines of 65mm (for in-hand camera and manipulation applications) and 160 mm (for navigation of mobile robots).

About Roboception GmbH

Roboception offers innovative solutions for navigation, real-time perception and manipulation for robotic systems. The company develops tailored software products that comply with the individual plug-and-produce requirements of the customers. The solutions include intuitive, user-friendly interfaces, parametrisation and programming; their set-up and operation do not require detailed robotic expertise.

About German Aerospace Center, Institute of Robotics and Mechatronics

The German Aerospace Center (DLR) is the national aeronautics and space research centre of the Federal Republic of Germany. Its extensive research and development work in aeronautics, space, energy, transport, digitalisation and security is integrated into national and international cooperative ventures. In addition to its own research, as Germany's space agency, DLR has been given responsibility by the federal government for the planning and implementation of the German space programme. DLR is also the umbrella organisation for the nation's largest project management agency. The DLR Institute of Robotics and Mechatronics (RM) is located in Oberpfaffenhofen and is one of the biggest and most acknowledged institutes in the robotic field worldwide, its main focus being the design and realization of intelligent mechatronic concepts and systems. The institute coordinates and contributes to numerous international projects in the H2020 framework as well as national and ESA space and research projects.