

Breakthrough Computer Vision Applications in the Micro World: Consortium of Research Organizations for Industry 4.0 - ATCZ215

Project name	Breakthrough Computer Vision Applications in the Micro World: Consortium of Research Organizations for Industry 4.0 - ATCZ215
Registration number	ATCZ215
Realization date	01.01.2020 - 31.12.2022
Recipient	University of South Bohemia in České Budějovice Faculty of Fisheries and Protection of Waters
Project partners	Ústav teoretické a aplikované mechaniky Akademie věd České republiky, v. v. i. Donau Universität Krems FH OÖ Forschungs & Entwicklungs GmbH
Grant program	Interreg V-A Austria-Czech Republic
Responsible solver	prof. RNDr. Dalibor Štys, CSc.

PROJECT ANNOTATION

The aim of the project is to create a consortium from which regional companies will draw on the knowledge of regional research organizations and thus achieve competitiveness and, in specific areas, and lead in global competition. This project is co-financed by the EU from the ERDF.

PROJECT GOALS

Ordinary users, even from the field of companies, rarely receive information on how much the used method of capturing and saving the image will preserve or fundamentally change the basic structure of the image. To get a perfect picture, the perception of the human eye must be deceived. This is only possible by distorting the original signal of the camera sensor. This significantly limits the competitiveness of image data users, because they are not able to create groundbreaking algorithmic solutions in distorted data in related technologies such as automatic recognition, measurement and similar applications. At the same time, they are the input for artificial intelligence and thus form the basis for the development of robotic devices in the entire range from production, through operation control and building security, medical applications to automated machines, in short, the entire industry 4.0.

https://www.at-cz.eu/cz/ibox/po-1-posileni-vyzkumu-technologickeho-rozvoje-a-inovaci/atcz215_imageheadstart

PROJECT BUDGET

	Amount
ERDF resources	971 510,57 €

CONTACT



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