
IoT Field: Networked Devices and Big Data Processing for the Digitalization of Agriculture in the Republic of Croatia

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Short description:

The use of networked devices and Big Data processing in agriculture can significantly improve the efficiency of land use and increase the quantity and quality of agricultural yields. At the same time, it will reduce the negative impact of climate change on crop yields, which is of strategic importance for Croatia. About the IoT Field Project: the aim of the IoT Field Project is to promote the application of IoT solutions in agriculture in the Republic of Croatia through interdisciplinary research conducted by the Faculty of Electrical Engineering and Computing (FER), the Faculty of Electrical Engineering, Computing and Information Technology (FERIT) and the Osijek Agricultural Institute to reduce the impact of climate change on crop yields, which is of strategic importance for the Republic of Croatia, through the use of advanced IoT technologies and available data sources on the state of crops and the environment. The project started in March 2020 and is funded by the European Regional Development Fund under the "Investing in Science and Innovation" call.

More about Mario Kušek:

Mario Kušek is a Full Professor at the University of Zagreb, Faculty of Electrical Engineering and Computing, Croatia. He participated in a number of scientific projects and has been leader of a number of industry research and development projects. He has co-authored over 90 papers in journals, conference proceedings and books in the area of distributed systems, multi-agent systems, self-organized systems machine-to-machine (M2M) Communications and Internet of Things in the cloud and edge environment by using microservices. Prof. Kušek is a member of IEEE, currently serving as Conference Coordinator of the IEEE Croatia Chapter, the KES International and the European Telecommunications Standards Institute (ETSI).