

EnRich

Team Information

19 - 23 June 2017, Zwentendorf, Austria

Picture of vehicle:



Name of vehicle:

Intuitive telepresence robot

Picture of team leader:



Name of team leader:

Dr. Bernd Brüggemann

Team Name:

Team FKIE

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Logo:

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Team Description: Team FKIE focuses on research topics to make UGV abilities accessible even for untrained operators. Therefore, we need two components: intuitive Human-Robot-Interfaces (HRI) and intelligent assistant functions. While the intuitive HRI ease up the direct interaction between human and unmanned systems, intelligent assistant functions automate certain kinds of tasks but keep the human in the loop. This reduces the burden of routine jobs and enables one operator to control one system easily.

We address different topics to be able to design real UGV systems to evaluate our methods with the actual user. These topics include like developing semi-autonomous grasping methods to deal with all kinds of objects or putting together 3D data (e.g. LIDAR) into a detailed map in real-time to enhance the UGV's localization and the situational awareness of the operator.

Sponsors:

Selection of scenario:

- X radiological and nuclear measuring and mapping
- X 3D environmental mapping
- X manipulating hazardous material

Proof of citizenship: A copy of team leader passport will do (will not be published)

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