



WebFAIR: Web Access to Commercial Fairs through Mobile Agents

Data ...

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Objetive ...

Development and validation of a tele-presence system based on mobile robots, able to allow access to individuals to large exhibitions and commercial fairs through internet.

Gallery ...

The photo shows Belgioioso Castle, for where the project demonstrator was developed.





Description ...

WebFAIR deals with market and promotion needs of large commercial exhibitions, allowing an open access to information, services and events shown at the exhibition. Basically, WebFAIR focuses on supplying companies and individuals the way to visit and explore the fair as well as to obtain visual information for commercial purposes.

The user is able to observe through robot "eyes" (cameras) and hear through its "ears" (microphones). Through a Web interface, users from different parts of the world can tele-operate the robot and visit stands or interesting points of the exhibition.

Implementation ...

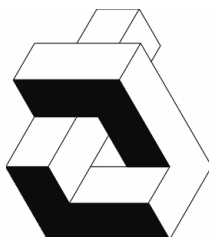
The system was developed following these tasks:

- Project management
- Definition of specifications
- Configuration tools
- Robot navigation
- Interfaces
- System integration
- Pilot application and validation
- Exploitation and dissemination of results

UPM-DISAM contributes actively in the following tasks: definition of specifications (robot sensors and fairs characteristics), robot navigation (reactive control and SLAM) and implementation of the pilot application.

Contact Persons ...

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