

Humans, Robots, and Intelligent Objects – New communication approaches

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Several studies have shown the importance of having humans on a robot's learning tasks, helping the later by providing robots some helpful cues. Indeed, except for planetary robots, service robots are not alone on our world, and can greatly benefit from strategies that facilitate the robot's operation and learning activities by exploiting the presence of a human teacher. Therefore, the first part of this workshop will present several approaches for leveraging the presence of a human teacher on the robot's learning process.

The second part will focus on pervasive robotics, namely on bringing robots into people's life. We will discuss the impact of the Internet of Things for transforming all kind of objects into robots, enabling the creation of new forms of communication between such artificial robotic creatures.