Fuzzy-logic control of human – controlled robotic systems

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The most complicated tasks are fulfilled by robots via human control. But now it crucially differs from traditional control. Robot has its own sensor system, the knowledge base, it has possibilities to solve the problems and to plan its operations. So the question under discussion is the cooperation between robot and human-operator during their work in the world. The problems arise of human-robot compatibility and communication between intelligent robot and experienced human-operator. The suitable instrument to solve the task is the fuzzy logic and linguistic variables.

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