

Authority Transfer System to Enhance AI-Human Cooperation

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Summary :

In this project, dynamic authority transfer system among AI and Human based on the human state estimation using diverse physiological measurements will be developed in order to realize safe and reliable AI -human coordination.

During the exploratory research phase, the vision related parameter (blink rate / pupil size / eye movement) , brain activity of frontal area measure by NIRS and heart rate variability will be jointly used to estimate the degradation of human performance to avoid inappropriate authority transfer to human side.

In the following extensive research phase, AI-human coordination increasing incentive and maintaining operational skill will be pursued using real world simulation environment to enhance social acceptance of AI technologies.

