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| Autore                  | Ludwig Julian                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| Soggetti                | Electrical engineering                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| Sommario/riassunto      | This work proposes a concept based on haptic-shared control to assist humans in taking over a task from an automation, such as at the end of highly automated driving. The description of the interaction by time-variant differential games allows a model-based controller design as well as the estimation of the human's current readiness to take over. Several experiments demonstrate more performant and safe transitions with the new approach. |