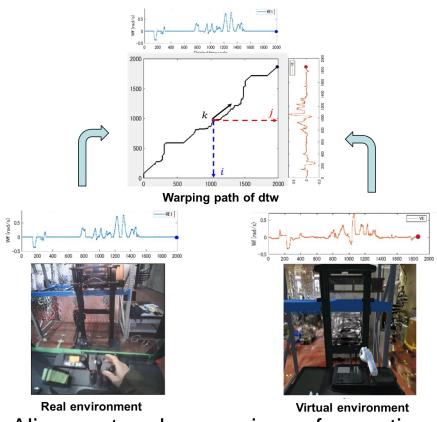
Development of A Virtual Environment to Realize Human-Machine Interaction of Forklift Operation

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- A realistic simulator is developed to simulate and investigate forklift operator's know-how
- The real UI of forklift, 3D reconstruction and motion tracking are used for this purpose
- Dynamic Time Warping method is used for temporal evaluation of differences between VE and RE
- Correlation between forklift driving behavior in VE and RE is consistently higher than 0.90



Alignment and comparison of operation behavior in RE and VE