

Human centric digital twins services

Multidimensional digital twin sensing and reconstruction based on high-speed vision

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Summary :

The conventional systems and technologies for the digital twin have dealt with static objects, and so the applications are no better than the conventional utilization of digital data. In this project, we tackle high-speed digital twin sensing and reconstruction based on high-speed vision for dynamic objects. Time development perfectly measured by high-speed sensing will allow integration of multidimensional information including the shape and material. Furthermore, real-time reconstruction and display by dynamic projection mapping techniques will realize digital twin with both advantages of a real object and digital data. These high-speed vision technologies and multidimensional digital twin will contribute to movement, distribution, design, and manufacturing limited by substance.

