

Fujitsu develops new technology for accurately estimating postures of human body

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Detailed monitoring in hospitals and nursing homes without cameras to ensure patients' privacy



Japan-based Fujitsu has successfully developed a new technology to accurately estimate postures of the human body from coarse-grained point cloud data obtained with a conventional millimeter-wave sensor.

The company plans to deploy the newly developed technology at hospitals and nursing care facilities to support nurses and caregivers in visually monitoring patients and reacting to emergency situations such as falls of patients.

The technology leverages an AI model for highly accurate estimations of postures of the human body and Fujitsu's "Actlyzer" AI technology for analysis of complex human behaviors to analyze the movement of patients in detail before and after a fall without installing cameras in highly private spaces such as hospitals and nursing homes.

Fujitsu will conduct field trials with hospitals and nursing care facilities to verify the effectiveness and improve the accuracy of the new technology with the aim to offer it as a service to the Japanese market by the end of FY 2023.