

Statement of interest in participating in the Workshop

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Participant's interest

Many kinds of sensors such as touch screens, cameras or IR-sensors are being attached to a large display for digital signage. It can be expected that users can not only view and but access information on the display. We believe that a user-friendly gesture interface, which allows users to select an item on hierarchical menu with less physical and mental burden, will be required in near future to more easily access the information on digital signage. We introduce a vision-based unicursal gesture interface suitable for hierarchical menu selection on a large display.

View Points

The following is a use case using a gesture interface for an interactive large display. An interactive large display in a shopping mall displays goods on sale today. When users walk near this display and find interesting goods, each user can access the detailed information about those goods without touching the display surface using a user-friendly gesture interface. Technological requirements for utilizing the user interface to such a use case are followings:

- To access information without touching the display surface at a distance
- For multiple users to simultaneously access information
- To effectively switch the displayed content when a user operates