

ICALEPCS 2015

International Conference on Accelerator & Large Experimental Physics Control Systems

A Multi-Modal Human-Machine-Interface for Accelerator Operation and Maintenance Applications

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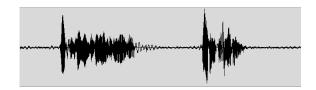






Imagine ...

 .. you can talk to your controls application to open a vacuum valve



 ... you can change a set value of a magnet power supply by performing a circle with your hand



 ... you can *launch* a controls application by *spreading your fingers*





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Interested?

Visit poster contribution WEM308:

"A Multi-Modal Human-Machine-Interface for Accelerator Operation and Maintenance Applications"

- Web2cHMI: Common Human-Machine-Interface applying to
 - Mouse (1D flat single-finger gestures)
 - Touch-Sensitive Display (1D/2D flat single- or multi-finger gestures)
 - LEAP Motion Controller (2D/3D spatial hand gestures)
 - Myo Gesture Control Armband (2D/3D spatial hand or arm gestures)
 - Sphinx Speech Recognition (English spoken commands)