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

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DESY

WEM308
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*
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**)