Presentation Tools with Gesture Recognition and Augmented Reality

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XPres

The PowerPoint Add-in
Apart from making our own presentation software, we have developed an Add-in for Microsoft PowerPoint so that presenters can use gestures to control PowerPoint with LeapMotion Controller. This Add-in is designed to give users a taste of gesture-controlled presentation and to help them adapt to our software.

Main Features

‡ Interactive Objects
The presenter can interact with all the objects on the screen by means of Augmented Reality (AR).

‡ Background Substitution
XPres “brings” the presenters to any place they want to.

‡ Drawing
XPres allows to draw on the screen using fingers.

Demo video http://goo.gl/8TerKf

XPres Editor
To help users to create and design their own XPres presentations, we also developed an editor. It is designed to be sophisticated, direct, easy-to-learn and user-friendly.

Main Features

‡ Objects Editing
Users can insert and edit images, shapes, texts, and sounds.

‡ Animation Editing
Users can edit animation sequences of different scenes. For each animation, users can choose their desired types of animation and gesture that trigger the animation.

Demo video http://goo.gl/tdG0Iu

Setup
We combine real-time images captured from camera with the presentation materials so that the presenter is actually shown on the screen with the materials.

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Main Features

‡ Transition of slides
Users can use a hand swipe gesture to navigate slides.

‡ Drawing
Presenters can draw on the screen using fingers during the presentation. A circle gesture is used to activate and deactivate the drawing mode.