

**ITU Workshop on
“TV and content delivery on Integrated Broadband Cable Networks”
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Intelligent Inclusive TV

ABSTRACT

The rapid advancement of integrated and hybrid TV has blurred the boundary among TV, computer and gaming consoles making way for a whole new generation of interaction scenarios possible for TV. Gesture or Mind controlled TV occasionally hit headlines although still awaiting mass approval by consumer market. On other side, Television either in digital, analog or integrated mode still now appears more acceptable as an electronic media to elderly population compared to other electronic devices like computers and smartphones. Our research group takes a user centred design approach involving people with different range of abilities for inventing and evaluating new interactive devices. This talk will present brief overviews of user modelling and multimodal interaction involving hand movement and eye gaze trackers in the context of inclusive interaction for digital TV framework.