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Sonic interaction design: The next generation of multi-sensory experiences
Why multisensory?
Immersive technology
Ivan Sutherland

The ultimate display

1965
“The ultimate display would, of course, be a room within which the computer can control the existence of matter. “A chair displayed in such a room would be good enough to sit in..”.
... handcuffs displayed in such a room would be confining,...
And a bullet displayed in such a room would be fatal
“With appropriate programming such a display could literally be the Wonderland into which Alice walked.”
What is missing?
Visual displays
Auditory displays
Haptic Feedback is limited
VRMI principles

Focus: natural interactions
Jaron Lanier
Musical instruments are the best user interface
Instructions

This year, the IEEE 3DUI 2015 Symposium will hold the 6th annual 3DUI Contest - 3DUIIdol. It is open to anyone interested in 3D User Interfaces (3DUIs), from researchers to students, enthusiasts, and professionals. The purpose of the contest is to stimulate innovative and creative solutions to challenging 3DUI problems. 3DUI 2015 will be co-located with IEEE Virtual Reality. Due to the recent explosion of affordable and portable 3D devices, this year's contest will be judged live at 3DUI. Contestants are required to bring their systems for live judging for attendees to experience them.
3DUI competition - 2015
Singing in Virtual Reality with the Danish National Children's Choir.

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Thank you!