

## Head-Mounted Projector

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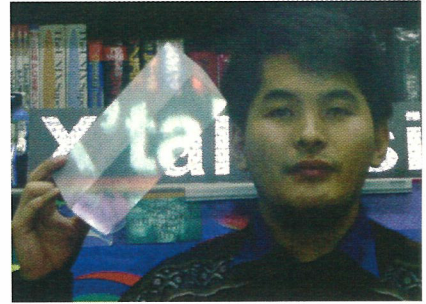
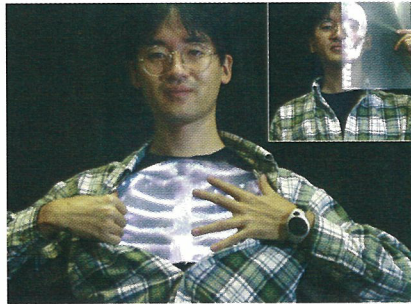
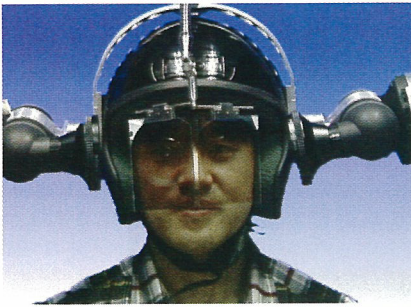
This project proposes a head-mounted projector (HMP) using the X'tal Vision (Crystal Vision) technology that was demonstrated in Enhanced Realities at SIGGRAPH 98. With X'tal Vision (a projector with a small iris and a retroreflective screen), users can observe stereoscopic images with an almost-correct occlusion relationship between the virtual and the real environment.

AT SIGGRAPH 99, the HMP is demonstrated in three applications.

1. Virtual images of a skeleton that make a patient's body appear to be transparent.
2. A paper-type display.
3. Optical camouflage suitable for visuo-haptic integrated display.

*Collaborators*  
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Projector