



[www.sat.qc.ca/infokit](http://www.sat.qc.ca/infokit)

# PANOSCOPE 360°

Immersive and interactive display system

The Panoscope 360° is an immersive display system designed by Luc Courchesne, director of the school of industrial design at the Université de Montréal and co-founder of the Society for Arts and Technology [SAT]. The system's basic hardware consists of a projector with hemispheric lens placed above the spectator; a hemispheric projection screen placed immediately below the projector; a computer; and surround-sound audio components that provide a sonic counterpart to the immersive visuals.

The advantage of this system is that it considerably simplifies the production and presentation of panoramic and immersive content. It offers a viable alternative to costly CAVE-type systems or head-mounted displays that do not allow more than one person to share the same physical space. The single-channel panoramic imaging has the potential to greatly accelerate the development of games, simulators, telepresence, teleimmersion, visual arts, and other applications that can benefit from the Panoscope's combination of elegance, simplicity and high performance.

## RECENT PROJECTS

### **Montreal Science Centre :: Installation**

Virtual exploration of human anatomy. Part of the "Imagine" exhibition scheduled for autumn 2007.

### **Wired NextFest 2005–2006 :: Installation**

Presentation and demo of the Catch & Run and Where Are You? applications.

### **Laboratoire de muséologie et d'ingénierie de la culture (LAMIC) :: Research Project**

On-site study of tangible and intangible cultural heritage with the use of immersive technology.

## Where Are You?



**Wired's NextFest (Chicago), June 2005 :**  
World premiere of an immersive existence simulator  
Video Demo ::  
[www.panoscope360.com/rv-video1.html](http://www.panoscope360.com/rv-video1.html)

## Catch & Run



**Wired NextFest 2006, New York, Sept. 2006**  
World premiere of an immersive online multiplayer game for Panoscope LAN  
Video Demo ::  
[www.panoscope360.com/catchrun060915.html](http://www.panoscope360.com/catchrun060915.html)



**1st Prize (shared), Digital Arts Category**  
Catch & Run / Panoscope 360°

Société des arts technologiques | SAT | Society for Arts and Technology

[[sat@sat.qc.ca](mailto:sat@sat.qc.ca)] | t.: 514 8442033 | f.: 514 982 6093 | [www.sat.qc.ca](http://www.sat.qc.ca)  
1195 Saint-Laurent, P.O. Box 1083 Desjardins Station, Montreal (Quebec) Canada H5B 1C2

Contact

René Barsalo :: Director, Research & Strategy  
[[rbarsalo@sat.qc.ca](mailto:rbarsalo@sat.qc.ca)] 514 844 2033 #209