



National Capital Region Chapter of the  
ACM Special Interest Group on Computer Human Interaction

## **Interface Design and Ergonomics of an Advance Immersive Command Workstation**

Presented by **Tim Moore**, Ergosum, Ltd.  
on Thursday February 23, 2006 at **Adobe Systems Canada**

### **What?**

The concept of total visual immersion in a helmet-mounted display (HMD) has been around for at least 30 years. It has been the subject of a number of movies and has been the basis of simulators and space viewers but very few applications have moved beyond the laboratory door.

This presentation examines the conceptual design of a fully immersive display for a complex command and control environment within a fighting vehicle. Display formats included external views, simulated views, augmented reality, maps and conventional GUIs. Input controls for the system included head movements, dual joysticks with multiple buttons and voice recognition.

The project was conducted to identify the likely impact and practicality of an extreme approach, which, while technologically feasible may not be desirable for a wide number of reasons.

### **Who?**

**Tim Moore**, Ergosum Ltd.

Visit [CapCHI.org/nextmeeting.html](http://CapCHI.org/nextmeeting.html) for more details...

### **When and Where?**

The meeting takes place on Thursday February 23, 2006 at 7:00 pm in the Klondike Conference Room at Adobe Systems Canada in Ottawa, located at 785 Carling Avenue (near Dow's Lake, between Rochester and Preston streets) Ottawa, ON K1S 5H4 Canada.

- Free parking available on site after 6:00 PM; entrance is on Rochester Street.
- **Bus routes 6 and 85** pass in front of the Adobe Systems Canada office on Carling Avenue.
- **Bus route 3** stops on Preston St at Carling Avenue, near the Adobe Systems Canada office.
- **Bus route 4** stops on Bronson Avenue at Carling Avenue, near the Adobe Systems Canada office (10-15 minute walk)
- The **O-Train** stops at Carling Station; you can walk east long Carling Avenue from the station (3-5 minute walk).

**Note:** All attending will be required to register with security. Please arrive 5-10 minutes earlier to allow for registering.

The meeting fee is \$5 for non-members and free for CapCHI members (\$20/year). Membership is for the session period (September 2005-August 2006) - anyone can join!

Refreshments will be provided for the meeting.

For more information see [www.capchi.org](http://www.capchi.org) or contact [CapCHI@gmail.com](mailto:CapCHI@gmail.com).