

# Special Issue of **PRESENCE**: Teleoperators and Virtual Environments

## "Collaborative Information Visualization Environments"

### **Description**

Collaborative information visualization environments (CIVEs) enable users to interact both with visualizations of data as well as enabling them to interact with one another. Typical user-data interactions comprise data access, exploration, visualization and manipulation. User-user interactions may involve referring to the data visualizations: e.g. users can chat with one another and, in the process, be able to refer to elements of the visualization; and/or users can annotate a part or state or even recorded segment of the visualization so that others can see and comment on it later. In addition, CIVEs often visualize user interactions themselves to facilitate information access, collaboration, and decision-making.

### **Objectives**

This special issue of *Presence* will provide a venue for research on CIVEs designed for various user groups, application domains, and interfaces such as 2-D desktop interfaces, 3-D virtual environments/virtual worlds, handheld devices, etc. that utilize different information visualization algorithms, interaction techniques, and modes of collaboration (e.g. synchronous, asynchronous). Main objectives include, but are not limited to:

- Increase our understanding of the design requirements for CIVEs.
- Closely examine long-term use of particular CIVEs.
- Identify collaborative practices in collocated visualization processes that might be supported in CIVEs.
- Gain a better understanding of architectural and infrastructure requirements for CIVEs.

While extended versions of papers presented at the Symposium on Collaborative Information Visualization Environments in 2002 and 2003 are especially encouraged (see Symposium web sites at <http://vw.indiana.edu/cive02/> and <http://vw.indiana.edu/cive03/>) novel submissions are welcome.

### **Submission**

Paper should be no more than 30 double-spaced pages in length, including diagrams. Papers should conform to the formatting guidelines at <http://mitpress.mit.edu/pres>. Please send papers in PDF format by email to Katy Börner ([katy@indiana.edu](mailto:katy@indiana.edu)) and the journal editor ([presence@mit.edu](mailto:presence@mit.edu)).

### **Important Dates**

Submission deadline: September 1st, 2003  
Notification of acceptance: October 15, 2003  
Final accepted papers due: November 15  
Publication date: April 2004

### **Guest Editors**

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