



<http://www.laval-virtual.org/>



<http://www.limsi.fr/>

Call for participation

Special Session of VRIC 2003

« Scientific Applications of Virtual and Augmented Reality »

organized by the VENISE transversal action of the LIMSI-CNRS lab

May 15th 2003, Laval (France)

Historically, the first main applications of Virtual Reality were scientific ones. However, in recent years Virtual Reality but also Augmented Reality have focused on industrial applications. The goal of this special session of VRIC 2003 is to foster interactions between researchers, software designers as well as scientific users on the recent research works and software developments in Virtual or Augmented Reality for scientific applications.

The present call of participation concerns any kind of scientific applications (mathematics, physics, chemistry, biology, radiology, surgery...). Beyond immersive visualization, these applications illustrate interesting specificities like processing huge or dynamic data in real-time, querying and merging 3D information from several databases of a given scientific domain, using several modalities of interaction according to the expected tasks, etc. In this context, some others possible topics of the expected talks are: multi-criteria analysis of 3D data, processing and management of level-of-details on dynamic data, usability of immersive V&RA systems for scientific simulation, immersive and cooperative tasks for scientific studies, teleoperation for spatial or surgery application, and so on.

In addition to the organization of this special session, the VENISE transversal action (Virtual ENvironment for Immersive Simulation and Experimentation) of the LIMSI-CNRS lab (University of Paris-Sud, Orsay, France) will showcase a special scientific application demo to the selected speakers in its immersive display present at Laval Virtual.

Each contribution will consist in a 20 minutes presentation followed by 10 minutes for interaction with the public. Slides, video presentations and demos are welcome. The session will end by a panel discussion including all the contributors.

Deadline: Authors wishing to present their contribution are invited to submit by email in English a one-page, Times 10, Word file (Title, Author, Address, Email, Keywords and an Abstract of 500 words) before March 29th, 2003 to patrick.bourdot@limsi.fr.

Notifications: The notification of accepted talks will be sent by mail before April 11th, 2003.

Publication: Abstracts of the accepted talks will be published in the VRIC 2003 proceedings.

Contact:

Dr. Patrick Bourdot

Leader of the "Gesture and Image" group (<http://www.limsi.fr/Recherche/GI/>)

Co-leader of the "VENISE" transversal action (<http://www.limsi.fr/venise/>)

LIMSI-CNRS, University of Paris Sud, Building 508, B.P. 133, 91403 Orsay cedex (France).