

Title: Special Section on Artificial Reality and Telexistence

The IEICE Transactions on Information and Systems announce a forthcoming IEICE special section on Artificial Reality and Telexistence to be published in January 2006. The 14th International Conference on Artificial Reality and Telexistence(ICAT 2004) will be held in COEX, Seoul, Korea from Nov 30 to Dec 2, 2004. ICAT is the oldest international conference on Virtual Reality and Telexistence open to all who are interested in the field. In conjunction with the ICAT 2004, we plan to publish the special section that consists of the extended version of papers selected from the ICAT 2004 and submitted by voluntary contributions. The submitted papers are expected to be covering conventional VR areas and new emerging areas related to Ubiquitous Computing, Wearable Computing and Intelligent/Humanoid Robotics.

Topics

Papers are cordially solicited on all aspects of innovative theory and application aspects of Virtual Reality and Telexistence.

Topics include but are not limited to:

- Artificial Reality / Virtual Reality
- Augmented Reality / Mixed Reality
- Ubiquitous/Wearable Computing
- Anthropomorphic Intelligent Robotics
- Immersive Projection Technology
- Virtual Heritage
- Communication with Realistic Sensations
- Haptics
- VR Interaction and Navigation Techniques
- Distributed and Collaborative VR Systems
- VR Input and Output Devices
- Human Factors of VR
- VR and Media Art
- Interactive Art and Entertainment
- Teleoperation / Telexistence /Telepresence
- Real Time Computer Simulation
- Visual and Auditory Display
- Software Architecture for VR
- Tools and Techniques for Modeling VR Systems
- Motion Tracking
- Innovative Applications of VR

- Evaluation of VR Techniques and Systems
- Multimodal Human Interface
- Artificial Life
- Retro-reflective Projection Technology
- Virtual Medicine and Health Science

Schedule

Deadline of submission of papers	Mar. 11, 2005
Notification of the 1st review results	May 6, 2005
Deadline of revised papers	June 10, 2005
Notification of the final review results	July 8, 2005
Deadline of the final version of papers	July 29, 2005
Publish of the special section	January 2006

Prospective authors are encouraged to submit an electronic version of an original, unpublished manuscript in PDF or Postscript format to the following address by Mar 11, 2005. Please note that same paper as published in the ICAT 2004 proceedings cannot be accepted. Significant extension and improvement should be required for submitting to this special section.

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(Please DO NOT send the PDF File to this e-mail address. A website will be prepared for submission.)

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