ISMAR 07
The Sixth IEEE and ACM International Symposium
on Mixed and Augmented Reality

Nov. 13 - Nov. 16, 2007

Nara-Ken New Public Hall
Nara, Japan

http://www.ismar07.org/

Sponsored by IEEE Computer Society and SIGMR VRSJ
In cooperation with ACM SIGGRAPH / SIGCHI
(Approval pending)

Important Dates
Submission deadline: June 1, 9pm PST
Acceptance notification: August 17
Camera ready due: September 14
Conference dates: November 13-16

Aims and Scope

Mixed Reality (MR) and Augmented Reality (AR) allow the creation of fascinating new types of user interfaces, and are beginning to show significant impact on industry and society. The field is highly interdisciplinary, bringing together signal processing, computer vision, computer graphics, user interfaces, human factors, wearable computing, mobile computing, computer networks, displays, sensors, to name just some of the most important influences. MR/AR concepts are applicable to a wide range of applications.

Since 1998, ISMAR and its forerunner events have been the premier forums in this vital field (http://www.ismar-conf.org). This year we are proud to present the 6th IEEE and ACM International Symposium on Mixed and Augmented Reality (ISMAR 2007). The symposium will be held on Nov. 13-16, 2007, in historical Nara, Japan. We invite you all to participate in this great event for the exchange of new ideas in this exciting field!

Call for Papers and Posters

ISMAR07 invites paper and poster submissions in the general field of Mixed and Augmented Reality. Topics include, but are not limited to:

MR/AR applications
* personal MR/AR information systems
* industrial and military MR/AR applications
* medical MR/AR applications
* MR/AR for entertainment
* MR/AR for architecture
* MR/AR for art, cultural heritage, or education and training

System architecture
* wearable and mobile computing
* distributed and collaborative MR/AR
* display hardware
* performance issues (real-time approaches)

Information presentation
* real-time rendering
* photorealistic rendering
* object overlay and spatial layout techniques
* aural, haptic and olfactory augmentation
* mediated and diminished reality
* display and view management

Sensors
* position and orientation tracking technology
* calibration methods
* sensor fusion
* vision-based registration and tracking
* acquisition of 3D scene descriptions

User interaction
* interaction techniques for MR/AR
* collaborative MR/AR
* multimodal input and output

Human factors
* usability studies and experiments
* acceptance of MR/AR technology
* social implications

Tentative Program
* Tue Nov 13, 2007: Workshops+Tutorials
* Wed Nov 14, 2007: Conference Day1
* Thu Nov 15, 2007: Conference Day2
* Fri   Nov 16, 2007: Conference Day3

Venue
ISMAR will take place at Nara-Ken New Public Hall, Nara, Japan.
Recommended conference hotels will be named later on ISMAR07 website.
More information about Nara-Ken New Public Hall .... http://www.pref.nara.jp/koukaido-e/
More information about Nara .... http://www.pref.nara.jp/english/

Conference Chairs/Committee
General Chair
- Haruo Takemura, Osaka University, Japan, takemura@cmc.osaka-u.ac.jp

Program Chairs
- Tom Drummond, University of Cambridge, UK, twd20@eng.cam.ac.uk
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- Mark A. Livingston, Naval Research Laboratory, USA, markl@ait.nrl.navy.mil

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