

Call For Participation

IEEE & ACM International Symposium on Augmented Reality 2001

ISAR '01

October 29–30, 2001

Columbia University, New York, NY

<http://www.augmented-reality.org/isar2001> or

<http://www.cs.columbia.edu/graphics/isar2001>

Paper submissions due by June 11, 2001

Demo submissions due by August 5, 2001

Objectives

ISAR '01 will provide an opportunity for Augmented Reality (AR) researchers from academia and industry to meet in an informal atmosphere to exchange ideas, concepts, and research results. ISAR is meant to trigger discussions among participants and to provide an intensive exchange between academic and industrial researchers working in the different AR research areas.

History

ISAR '01 is the fourth in a series of successful events sponsored by IEEE and ACM in cooperation with Eurographics:

ISAR '00: October 2000, Munich, Germany

IWAR '99: October 1999, San Francisco, USA

IWAR '98: October 1998, San Francisco, USA

Topics

- AR applications
 - personal AR information systems
 - industrial AR applications
 - medical AR applications
 - AR for Architecture
- System architecture (hardware and software design)
 - wearable computing
 - distributed and collaborative AR
 - performance issues (approaches for achieving real-time AR)
- Information presentation
 - display hardware
 - AR image synthesis
 - real-time rendering
 - photorealistic rendering (e.g., reflection analysis)
 - object overlay and spatial layout techniques
 - aural augmentation
 - mediated reality
 - mixed reality
- Sensors for position and orientation tracking
 - tracking technology
 - calibration methods
 - sensor fusion
 - vision-based registration and tracking
 - acquisition of 3D scene descriptions
- User interaction
 - interaction techniques for AR
 - multimodal input and output
- Human factors
 - usability studies
 - acceptance of AR technology, social implications

Invited Speakers

David Hawkes Guy's, King's & St Thomas' School of Medicine, UK

Ulrich Neumann University of Southern California, USA

Jun Rekimoto Sony Computer Science Laboratory, Japan

General Chairs

Nassir Navab*

Steve Feiner *

Siemens Corporate Research, USA

Columbia University, USA

Program Chairs

Ron Azuma*

Gudrun Klinker*

Hideyuki Tamura*

HRL Laboratories, USA

Technische Universität München, Germany

Mixed Reality Systems Laboratory, Japan

Demo Chair

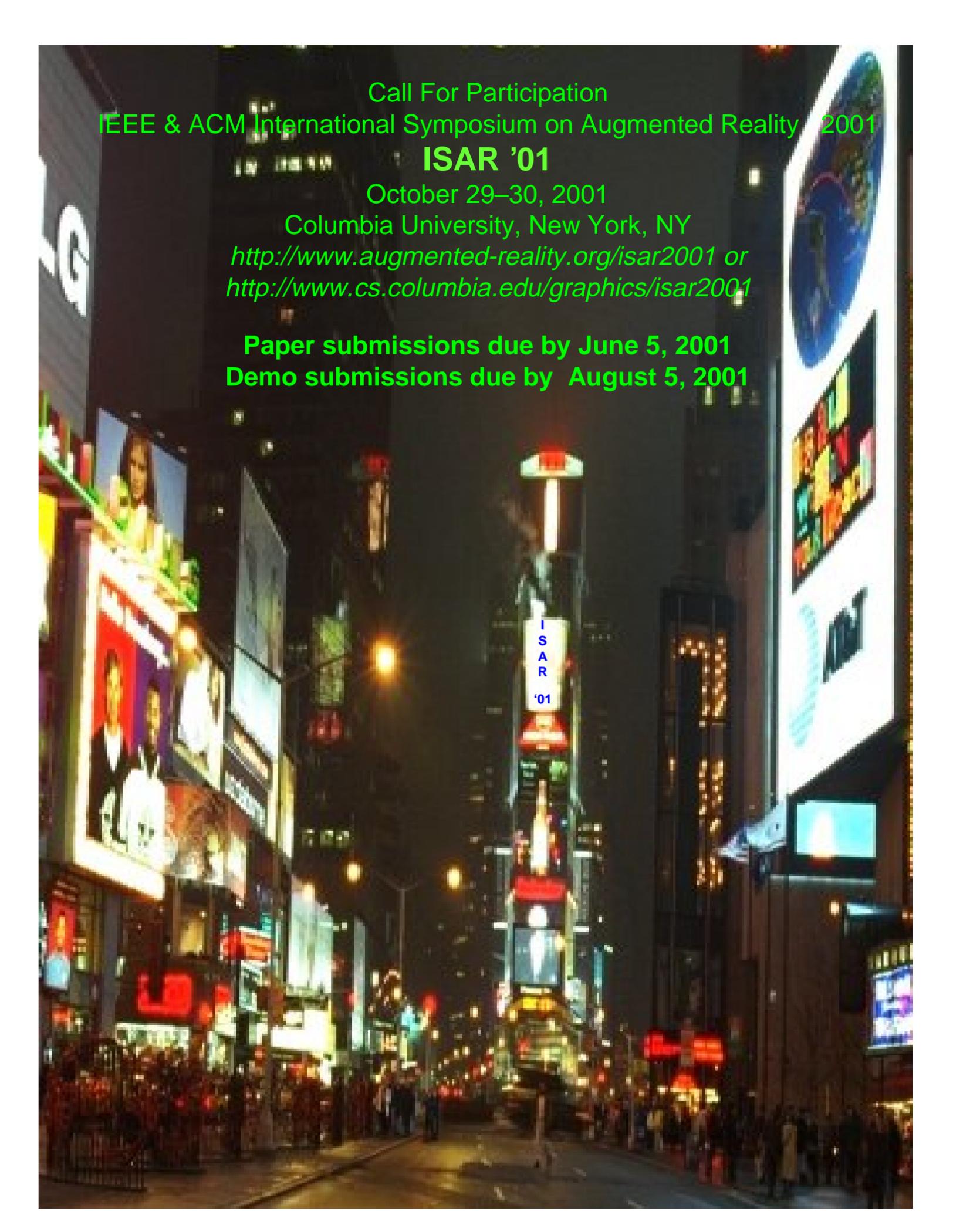
Mihran Tücceryan

Indiana University–Purdue University, USA

Program Committee

Yuichiro Akatsuka	Olympus Optical Company, Japan
Reinhold Behringer*	Rockwell Science Center, USA
Mark Billinghurst	University of Washington, USA
Wolfgang Birkfellner	University of Vienna, Austria
Kostas Daniilidis	University of Pennsylvania, USA
Paul Debevec	USC Institute for Creative Technologies, USA
Anthony DiGioia	Carnegie Mellon University, USA
Stephen Ellis	NASA Ames Research Center, USA
Andrew Fitzgibbon	University of Oxford, UK
Eric Foxlin	InterSense Inc., USA
Pascal Fua	Swiss Federal Institute of Tech., Switzerland
David Hawkes	Guy's, King's & St Thomas' School of Medicine, UK
Michitaka Hirose	University of Tokyo, Japan
William Hoff	Colorado School of Mines, USA
Tobias Höllerer	Columbia University, USA
Simon Julier	Naval Research Laboratory, USA
Anthony Majoros	The Boeing Company, USA
Blair MacIntyre	Georgia Institute of Technology, USA
David Mizell*	Desana Systems, USA
Paul Milgram	University of Toronto, Canada
Stefan Müller*	Fraunhofer IGD, Germany
Ulrich Neumann*	University of Southern California, USA
Dirk Reiners	Fraunhofer IGD/ZGDV, Germany
Jun Rekimoto*	Sony Computer Science Laboratory, Japan
Albert Rizzo	University of Southern California, USA
Dieter Schmalstieg	Vienna University of Technology, Austria
Gilles Simon	LORIA–INRIA Lorraine, France
Andrei State	University of North Carolina at Chapel Hill, USA
Didier Stricker*	Fraunhofer IGD, Germany
V Sundareswaran	Rockwell Science Center, USA
Haruo Takemura*	Nara Institute of Science & Technology, Japan
Mihran Tücceryan	Indiana University–Purdue University, USA
Jim Vallino	Rochester Institute of Technology, USA
Hirokyu Yamamoto	Mixed Reality Systems Laboratory, Japan
Andrew Zisserman	University of Oxford, UK

* Member of ISAR steering committee



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