

# ICAT

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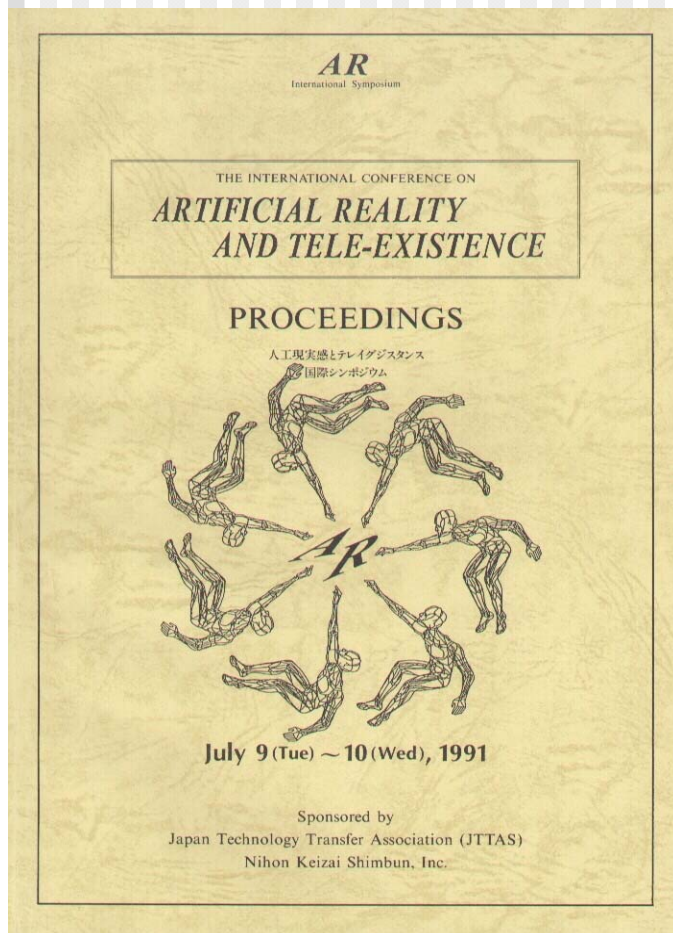
**International Conference on  
Artificial Reality and Telexistence**

<http://www.ic-at.org/>

- Artificial Reality (AR) is the advanced reality that has been artificially synthesized, artificially enhanced, or artificially extended, which includes virtual reality, augmented reality, and mixed reality.
- Telexistence, on the other hand, refers to the concept and technology that enables human beings to have a real-time sensation of being at a place other than where they actually exist and being able to interact with a remote environment, which may be real, virtual, or a combination of both.
- AR and Telexistence augment human ability in perception, understanding, action, time and space. They also enable humans seemingly to be everywhere at the same time, i.e., enable humans to be virtually ubiquitous.

# 1st ICAT

July 9-10, 1991



Tokyo, Japan

General Chair: Susumu Tachi

## ICAT1991

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- Influence of VR Technorgy on Industry:  
*Yoshio Tsukio, University of Tokyo*
- Telepresence and Artificial Reality : Some Hard Questions: *Thomas B. Sheridan, MIT*
- A Virtual Environment for the Exploration of Three Dimensional Steady *Flows: Steve Bryson, NASA Ames Research Center*
- Virtual Thinking in Organizational Analysis:  
*Charles Grantham, University of San Francisco*
- Virtual Reality for Home Game Machines:  
*Allen Becker, Reflection Technology*
- What Should You Wear to an Artificial Reality?:  
*Myron W. Krueger, Artificial Reality Corporation*

## ICAT1991

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- Bringing Virtual Worlds to the Real World : Toward A Global Initiative  
*Robert Jacobson, University of Washington*
- Virtuality TM, The Worlds First Production Virtual Reality Workstation  
*Jonathan D. Waldern, W.Industries Ltd.*
- Toward Virtual Existence in Real and/or Virtual Worlds  
*Susumu Tachi, University of Tokyo*
- Visualization Tool Applications of *Artificial Reality*  
*Michitaka Hirose, University of Tokyo*
- Virtual Work Space for 3-Dimensional Modeling  
*Makoto Sato, Tokyo Institute of Technology*

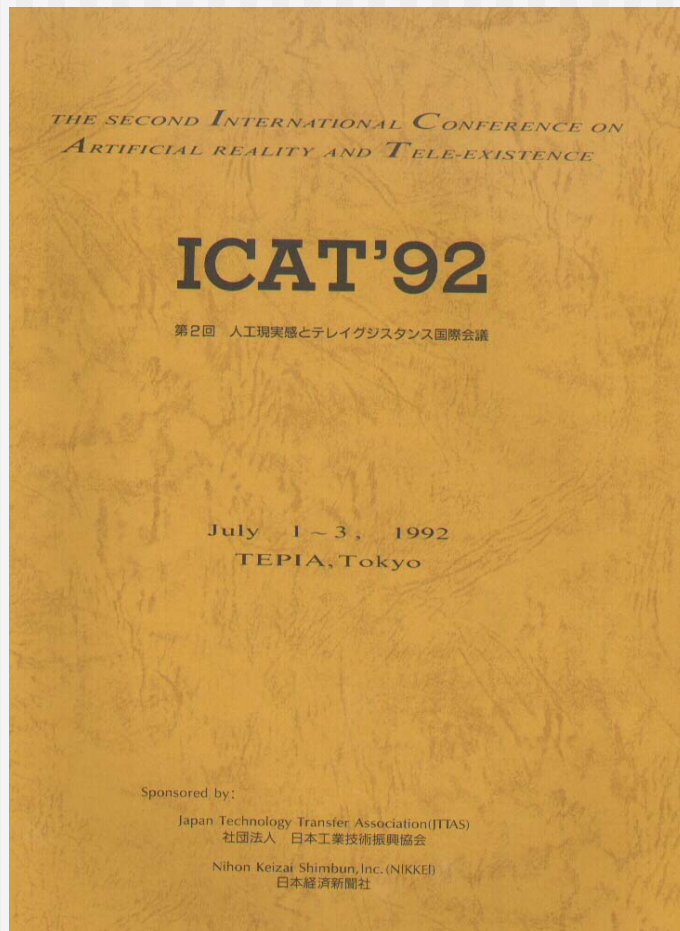
## ICAT1991

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- Force Display for Virtual Worlds  
*Hiroo Iwata, University of Tsukuba*
- Psychophysical Analysis of the 'Sensation of Reality'  
Induced by a Visual Wide-Field Display  
*Toyohiko Hatada, Tokyo Institute of Polytechnics*
- Undulation Detection of Virtual shape by Fingertip using  
force-feedback Input Device  
*Yukio Fukui, Ministry of International Trade and Industry*
- “Will Virtual Reality Become Reality ?”  
*Coordinator: Susumu Tachi*  
*Panelists: Thomas B. Sheridan, Myron W. Krueger,*  
*Robert Jacobson, Michitaka Hirose, Makoto Sato and*  
*Hiroo Iwata*

# 2nd ICAT

July 1-3, 1992



Tokyo, Japan

General Chair: Susumu Tachi

# 3rd ICAT

July 6-7, 1993



Tokyo, Japan

General Chair: Susumu Tachi

# 4th ICAT

July 14-15, 1994



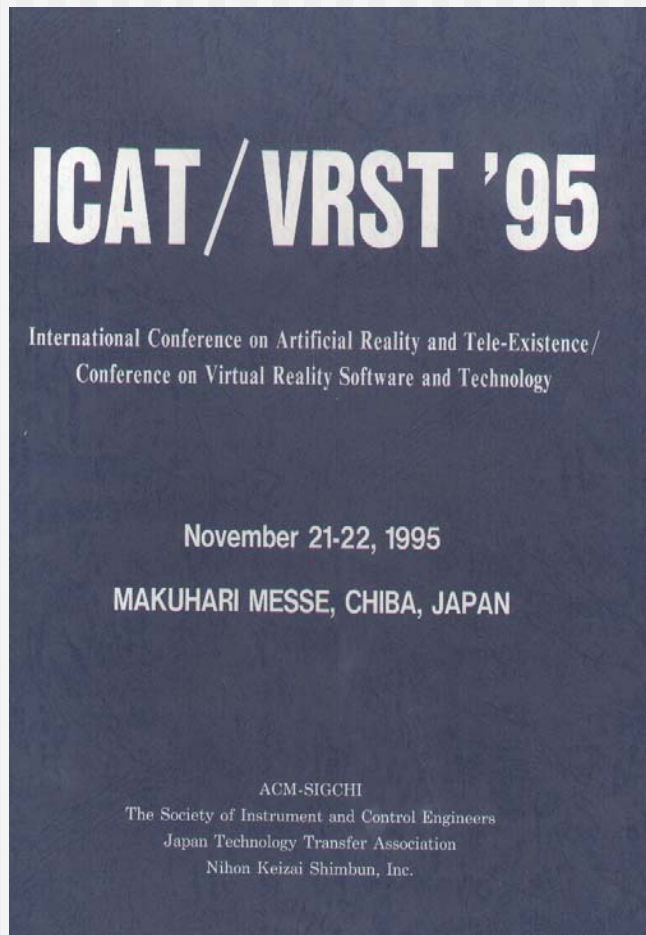
Tokyo, Japan

General Chair: Susumu Tachi

# 5th ICAT

Joint Conference with VRST

Nov. 21-22, 1995

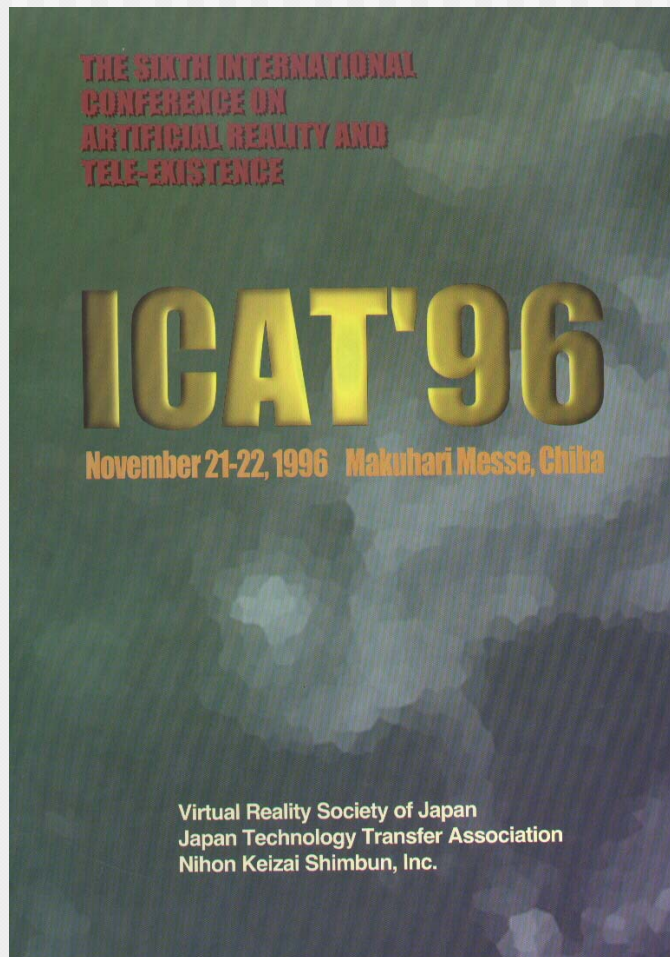


Chiba, Japan

General Chair: Susumu Tachi

# 6th ICAT

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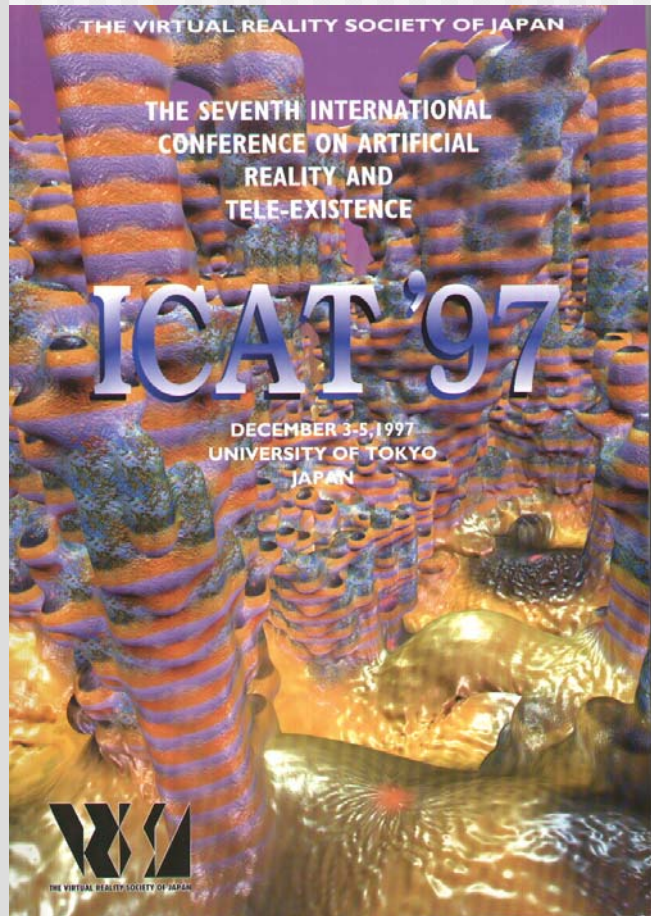


General Chair: Susumu Tachi

Nov. 21-22, 1996

Chiba, Japan

# 7th ICAT



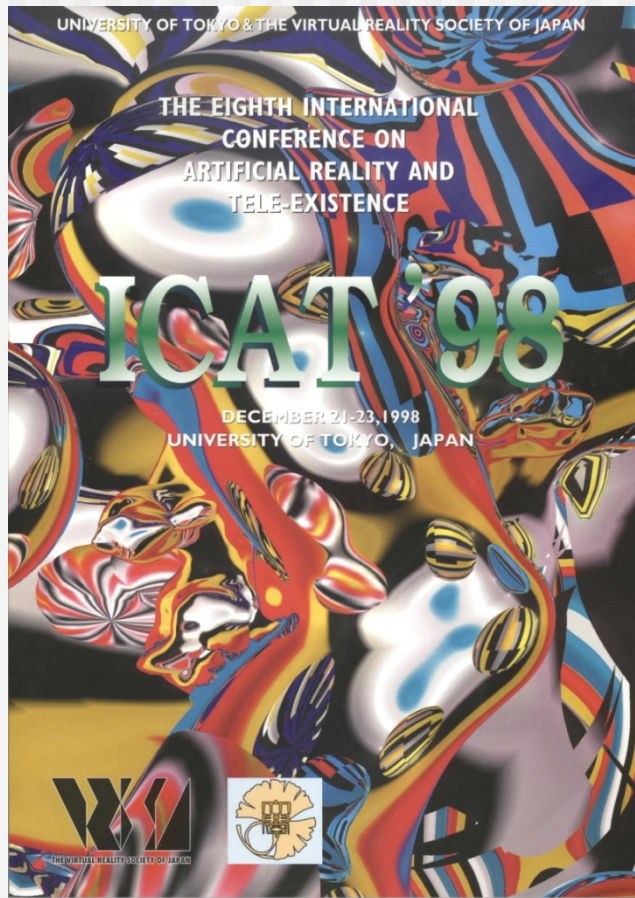
General Chair: Susumu Tachi

Dec. 3-5, 1997

Tokyo, Japan

# 8th ICAT

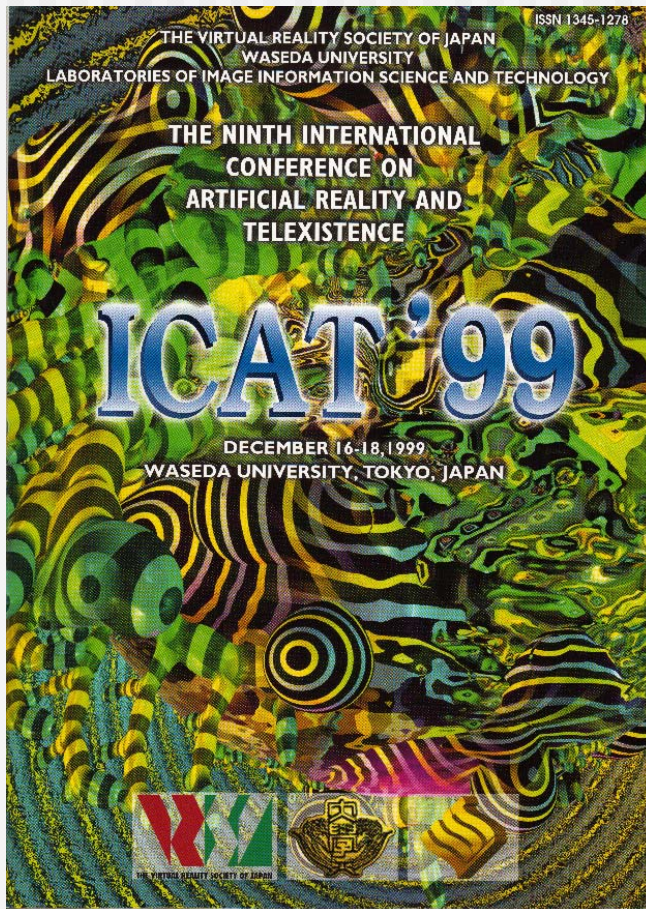
Dec. 21-23, 1998



General Chair: Susumu Tachi

Tokyo, Japan

# 9th ICAT



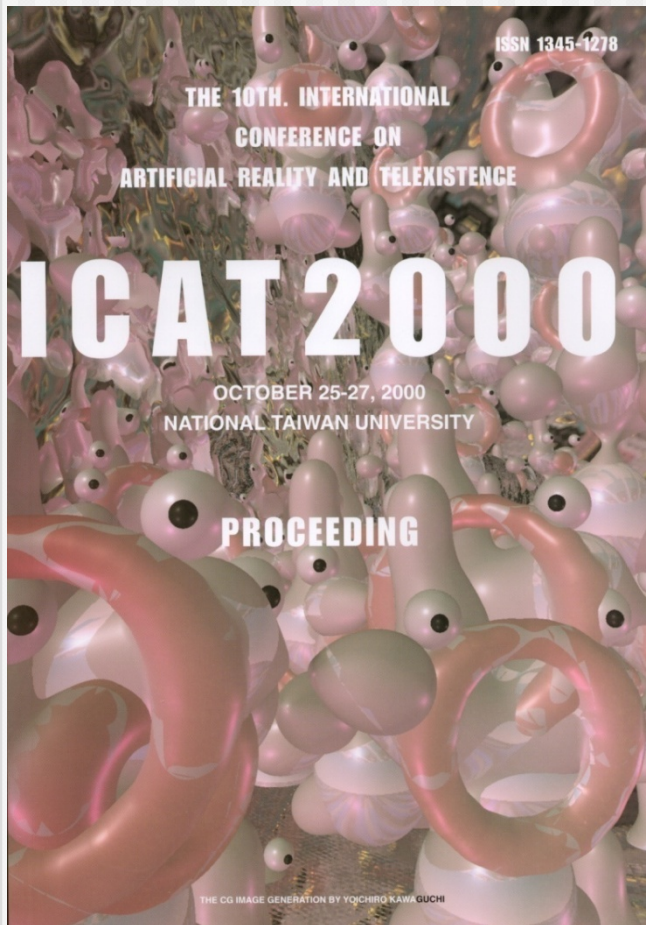
Dec.16-18, 1999

Tokyo, Japan

General Chair: Susumu Tachi

# 10th ICAT

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October 25-27, 2000

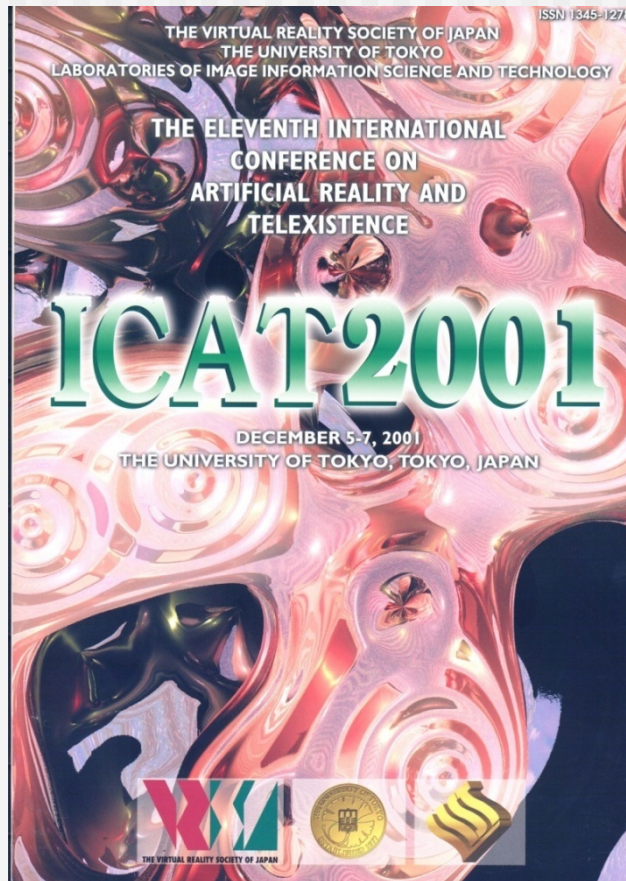
Taipei, Taiwan

General Chairs: Ming Ouhyoug & Susumu Tachi

# 11th ICAT

10<sup>th</sup> anniversary

December 5-7, 2001



Tokyo, Japan

General Chairs: Susumu Tachi & Michitaka Hirose

# 12th ICAT



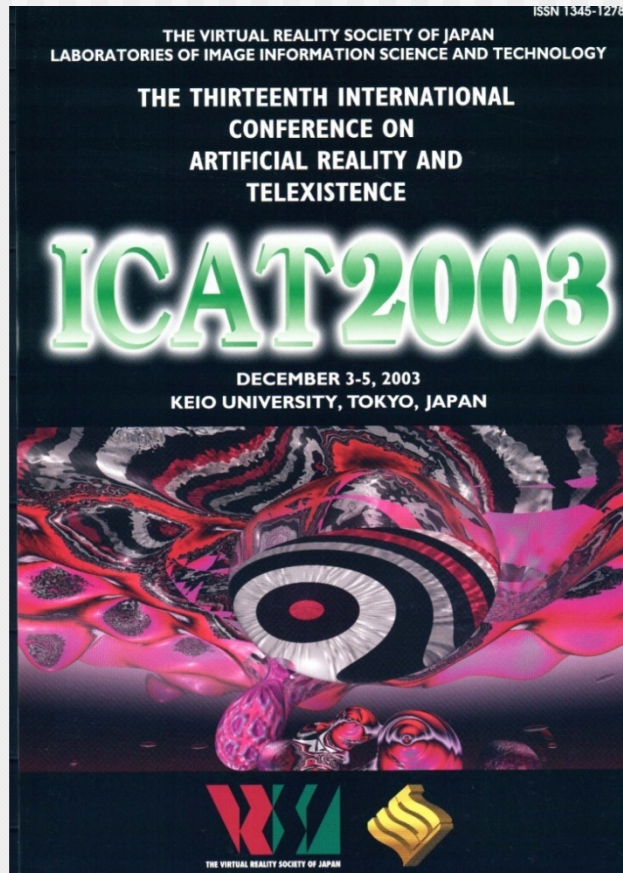
December 4-6, 2002

Tokyo, Japan

General Chairs: Susumu Tachi & Michitaka Hirose

# 13th ICAT

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December 3-5, 2003

Tokyo, Japan

General Chairs: Susumu Tachi & Michitaka Hirose

# 14th ICAT

Nov.30-Dec.2, 2004



Seoul, Korea

General Chairs: Hyun Seung Yang, Hyoung Gon Kim & Susumu Tachi

# 15th ICAT



December 5-8, 2005

Christchurch, New Zealand

General Chairs: Mark Billingham & Haruo Takemura

# 16th ICAT

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Nov.29-Dec.1, 2006



Hangzhou, China

General Chairs: Zhigeng Pan & Hideo Saito

# 17th ICAT

## November 28-30, 2007

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Esbjerg, Denmark

General Chairs: Tony Brooks & Yasushi Ikei

# 18th ICAT

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December 1-3, 2008



Yokohama, Japan

General Chairs: Hideo Saito & Kenichi Okada

# 19th ICAT

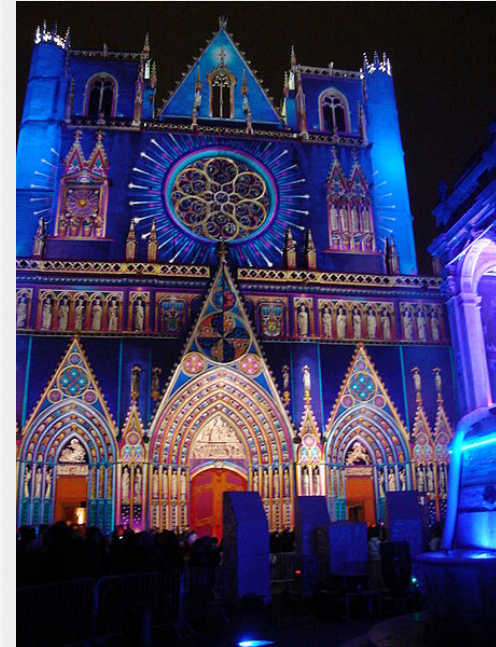
## Joint Virtual Reality Conference of EGVE - ICAT - Euro VR

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December 7-9, 2009

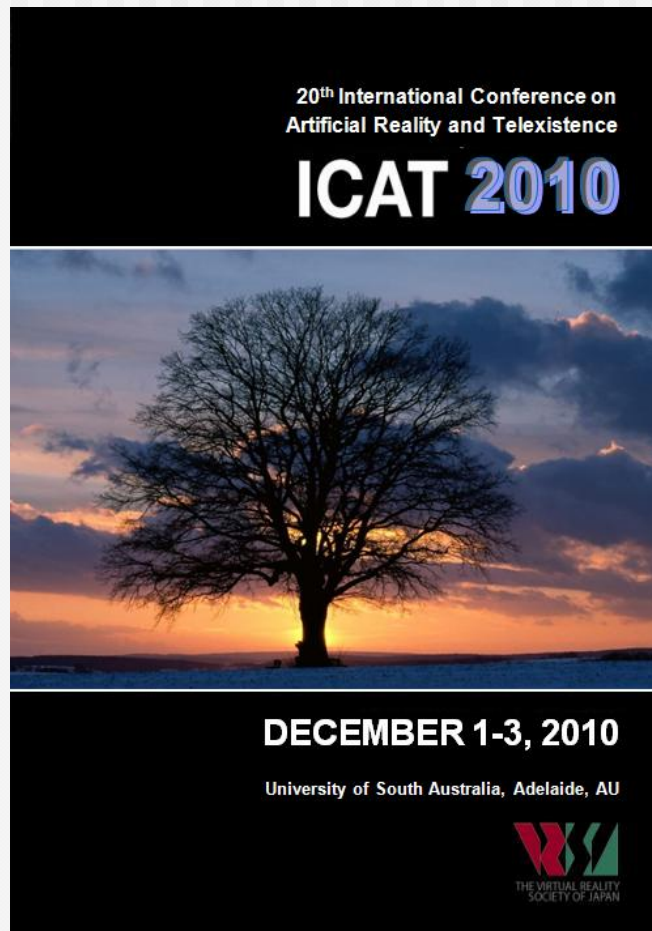


General Chairs: Sabine Coquillart, Carolina Cruz-Niera, Dennis Saluaar & Yoshifumi Kitamura



Lyon, France

# 20th ICAT



December 1-3, 2010

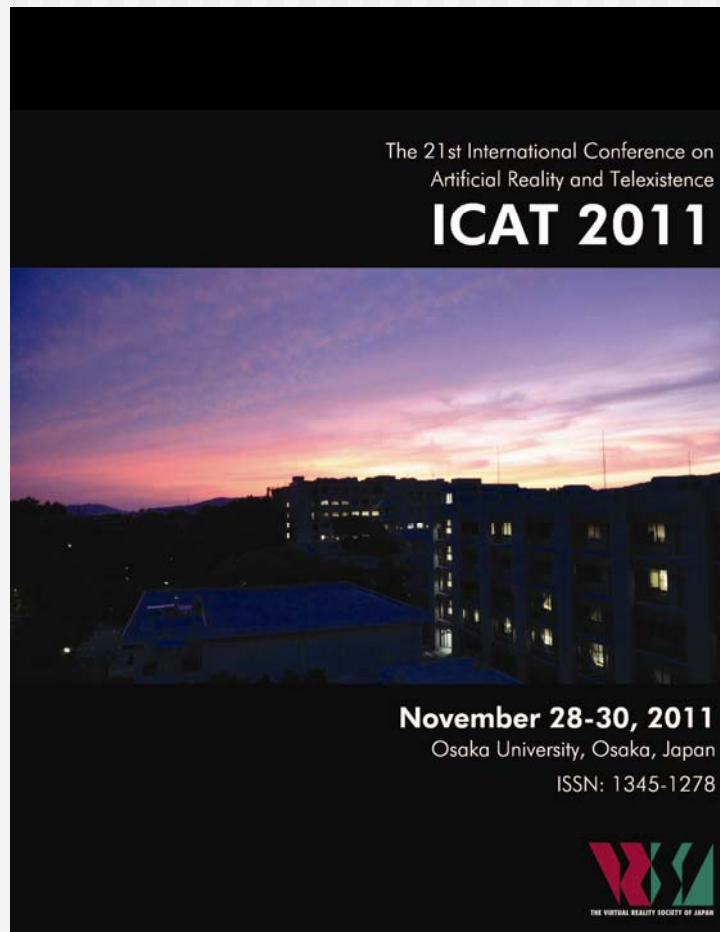


Adelaide, Australia

General Chairs: Bruce H. Thomas & Hirokazu Kato

21th ICAT

20<sup>th</sup> Anniversary



General Chair: Haruo Takemura

November 28-30 , 2010



Osaka, Japan

22nd ICAT

## Joint Virtual Reality Conference of ICAT-EGVE-EuroVR

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December, 2012



Madrid, Spain

All papers are archived at <http://www.ic-at.org/>.

