



## Seventh Annual International Workshop PRESENCE 2004

*Organized by ISPR, the International Society for Presence Research  
and MedICLab/UPV Spain*

Technical University of Valencia  
Valencia, Spain - October 13, 14, 15

(last change: September 20, 2004)

### October 13

08h30-09h00

**Registration**

09h00-09h15

**Conference opening** by conference chair

09h15-09h30

**Welcome**

Speaker: L. Anania - Eur. Commission - Project Officer INFSO-FET

09h30-10h15

**Keynote**

**Invited keynote speaker , Prof. Luciano Floridi**

Associate Professor of Logic and Epistemology, Department of Philosophy,  
Università degli Studi di Bari, Markle Foundation Senior Research Fellow of  
Wolfson College, University of Oxford

Conference title: **Exploring the informational nature of presence**

Chair: Cristina Botella

10h15-10h30

Break

10h30-11h30

**Session 1: Theory I**

**Chair: Frank Biocca**

- Andre Gysbers, Christoph Klimmt, Tilo Hartmann, AndreasNosper & Peter Vorderer: *Exploring the Book Problem: Text Design, Mental Representations of Space, and Spatial Presence in Readers.*
- Sungkil Lee, Gerard J. Kim, Albert Rizzo, Hyungjin Park: *Formation of Spatial Presence: By Form or Content ?.*
- Luciano Gamberini, Anna Spagnoli: *The Sense of Being 'There': a Model for the Space of Presence.*

11h30-12h30

**Session 2: Exploring the sense of presence I**

**Chair: Cristina Botella**

- Younbo Jung, Kwan Min Lee: *Effects of Physical Embodiment on Social Presence of Social Robots.*
- Ruth Rettie: *Using Goffman's Frameworks to explain Presence and Reality.*
- Gary Bente, Sabine Rüggenberg, Nicole, C. Krämer: *Social Presence and Interpersonal Trust in Avatar-Based, Collaborative Net-Communications.*

12h30-14h00

Lunch

14h00-15h00

**Session 3: Applications 1**

**Chair: Gary Bente**

- Maria Spante, Ralph Schroeder, Ann-Sofie Axelsson, Michael Christie: *How putting yourself into the other person's virtual shoes enhances collaboration.*
- Shigeru Wesugi, Yoshiyuki Miwa: *Facilitating interconnectedness between body and space for full-bodied presence- - Utilization of Video projection.*
- Arthur Tang, Frank Biocca, Lynette Lim: *Comparing Differences in Presence during Social Interaction in Augmented Reality versus Virtual Reality Environment.*

15h00-16h00

**Session 4: Measurement I**

**Chair: Rosa Baños**

- Jeremy N. Bailenson, Eyal Aharoni, Andrew C. Beall, Rosanna E. Guadagno, Aleksandar Dimov, Jim Blascovich: *Comparing Behavioral and Self-Report Measures of Agents' Copresence in Immersive Virtual Environments.*
- Espen Nystad, Angelia Sebok: *A Comparison of Two Presence Measures Based on Experimental Results.*
- Chad Harms, Frank Biocca: *Internal Consistency and Reliability of the Networked Minds Measure of Social Presence*

16h00-16h15

Break

16h15-17h30

**Session 5: Exploring the sense of presence II**

**Chair: Giuseppe Riva**

- Vinoba Vinayagamoorthy, Andrea Brogni, Marco Gillies, Mel Slater, Anthony Steed: *An Investigation of Presence Response across Variations in Visual Realism.*

- Masaki Emoto, Kenichiro Masaoka, Masayuki Sugawara, Fumio Okano: *Quantitative evaluation of sensation of presence in viewing the "Super Hi-Vision"4000-scanning-line wide-field video system.*
- Shaleph O'Neill, Rod McCall, Michael Smyth, David Benyon: *Probing the Sense of Place*
- Annie Luciani: *Dynamics as a common criterion to enhance the sense of presence in virtual environments*

17h45

Social event: Reception at "Jardín Botánico"

## October 14

09h00-10h30

### **Session 6: Special Panel**

**Title: Empirical results of Presence Research**

**Description:**

The panelists will present the results of empirical studies (over many years) that have tried to understand the factors involved in the formation of presence.

**Format**

Longer format presentations (25-30 minutes)

Active questions from a chair discussant and audience questions

**Panelists**

Mel Slater

Frank Biocca

Jonathan Freeman

**Chair: Wijnand IJsselsteijn**

10h30-10h45

Break

10h45-11h30

**Session 6: Poster session and exhibition activities**

11h30-12h30

**Session 7: Applications II**

**Chair: Wijnand IJsselsteijn**

- Beatriz Rey, Mariano Alcañiz, Jose Antonio Lozano, Rosa Baños, Cristina Botella, Nuria Lasso, Jorge Osma: *Emotionally controlled Virtual Environments: A New Tool for Enhancing Presence through Media Content Manipulation.*
- Anne-Mie Sponselee, Yvonne de Kort, Anneloes Meijnders: *Healing Media: The moderating role of presence in restoring from stress in a mediated environment.*
- Rosa Baños, Cristina Botella, Victor Liaño, Belén Guerrero, Beatriz Rey, Mariano Alcañiz: *Sense of Presence in Emotional Virtual Environments.*

12h30-14h00

Lunch

14h00-15h00

**Session 8: Measurement II**

**Chair: Matthew Lombard**

- Guger C., Edlinger G., Leeb R., Pfurtscheller G., Antley, A., Garau, M., Brogni A., Friedman D., Slater M.: *Heart-Rate Variability and Event-Related ECG in Virtual Environments*.
- Maia Garau, Hila Ritter Widenfeld, Angus Antley, Doron Friedman, Andrea Brogni, Mel Slater: *Temporal and Spatial Variations in Presence: A Qualitative Analysis*.
- Tassos A. Mikropoulos, Evangelos Tzimas, Georgios El. Dimos: *Objective Presence Measures through Electric Brain Activity*.

15h00-16h00

**Session 9: Exploring the sense of presence III**

**Chair: Mel Slater**

- Niklas Ravaja, Jari Laarni, Kari Kallinen, Timo Saari, Mikko Salminen, Jussi Holopainen, Aki Järvinen: *Spatial Presence and Emotional Responses to Success in a Video Game: A Psychophysiological Study*
- Freeman, J. Lessiter, J., Keogh, E., Bond, F.W., Chapman, K. : *Relaxation Island: virtual, and really relaxing*
- Jari Laarni, Niklas Ravaja, Timo Saari and Tilo Hartmann: *Personality-related differences in subjective presence*.

16h00-16h15

Break

16h15-17h30

**Session 10: Theory II**

**Chair: John Waterworth**

- Blair MacIntyre, Jay David Bolter, Maribeth Gandy: *Presence and the Aura of Meaningful Places*.
- David Nuñez : *Working Memory and Presence: Reconsidering the Role of Attention in Presence*
- Antonella Carassa, Francesca Morganti, Maurizio Tirassa: *Movement, Action, and Situation: Presence in Virtual Environments*.
- Matthew Lombard, Matthew T. Jones: *Presence and Sexuality*

17h30-18h30

**Session 11: Omnipres Board meeting**

**Chair: Wijnand IJsselsteijn**

18h30

Social event: Workshop opening dinner

**October 15**

09h00-10h30

**Session 11: Special Panel**

**Title: Presence as a support for the development and understanding of applications**

**Description:**

The panellists will present how presence can support the development of practical applications in several domains and the relationship between presence and these domains.

**Format**

Longer format presentations (25-30 minutes)

Active questions from a chair discussant and audience questions

**Presentations**

Psychology : Cristina Botella

Neuroscience: Maria Sánchez-Vives / Michael Harvey

Training: Richard Walker

**Chair: Jonathan Freeman**

10h30-10h45

Break

10h45-11h45

**Session 12: Measurement III**

**Chair: Jonathan Freeman**

- Pontus Larsson, Daniel Västfjäll, Mendel Kleiner: *Perception of Self-motion and Presence in Auditory Virtual Environments.*
- Saskia Böcking, Andre Gysbers, Werner Wirth, Christoph Klimmt, Tilo Hartmann, Holger Schramm, Jari Laarni, Ana Sacau, & Peter Vorderer: *Theoretical and Empirical Support for Distinctions Between Components and Conditions of Spatial Presence.*
- Jari Takatalo, Jukka Häkkinen, Jeppe Komulainen, Heikki Särkelä, Göte Nyman: *The experiential dimensions of two different digital games.*

11h45-12h45

**Session 13: Applications III**

**Chair: Jane Lessiter**

- Doron Friedman, Robert Leeb, Angus Antley, Maia Garau, Christoph Guger, Claudia Keinrath, Anthony Steed, Gert Pfurtscheller, Mel Slater: *Navigating Virtual Reality by Thought: First Steps.*
- Timo Saari, Niklas Ravaja, Jari Laarni, Kari Kallinen, Marko Turpeinen: *Towards Emotionally Adapted Games.*
- Gary Marsden & Shih-min Yang: *Eliminating Design and Execute Modes from Virtual Environment Authoring Systems.*

12h45-16h00

Social event: special lunch (Restaurant at the beach)

16h30-17h45

**Session 14: Exploring the sense of presence IV**

**Chair: Luciano Gamberini**

- Anne-Cecile Jeandrain: *Why and How Do the Telepresence Dimensions Influence Persuasive Outcome ?*.
- Timo Saari, Jari Laarni, Niklas Ravaja, Kari Kallinen, Marko Turpeinen: *Virtual Ba and Presence in Facilitating Learning from Technology Mediated Organizational Information Flows*.
- Bernhard E. Riecke, Jörg Schulte-Pelkum, Marios N. Avraamides, and Heinrich H. Bühlhoff: *Enhancing the Visually Induced Self-Motion Illusion (vection) under Natural Viewing Conditions in Virtual Reality*.
- Aleksander Väljamäe, Pontus Larsson, Daniel Västfjäll and Mendel Kleiner: *Auditory Presence, Individualized Head-Related Transfer Functions, and Illusory Ego-Motion in Virtual Environment*

17h45-18h00

### **Concluding remarks and closing session**

**Please note that small changes can take place.**

**For more information please consult the PRESENCE 2004 web site at <http://www.presence2004.org>**

Hosted by **M.I.N.D. Lab Technical University of Valencia**

With the support of:

- *EU FET Presence Research Initiative through the IST EMMA and IST OMNIPRES projects*