

Monday, June 23, 2008

PACIFIC D

Welcome Remarks

**9:30 to
9:50**

*Brenda K. Wiederhold, PhD, MBA
Luciano Gamberini, PhD*

**S1: Games for Health
Chair: Luciano Gamberini, PhD**

**10:00 to
11:30**

Currents Trends in Videogames and
Rehabilitation

*G. Barresi, A. Maier, &
L. Gamberini*

A second life for telehealth:
Prospects for the use of massive
multiplayer online games in clinical
psychology
A. Gorini, A. Gaggioli, & G. Riva

Lessons learned from treating 200
motor vehicle accident victims with
videogames
D. Walshe

Virtual reality gaming for treadmill
training: Improving functional
ambulation in children with cerebral
palsy
K. Kott & G. De Leo

Stroke rehabilitation using the
rehabilitation gaming system
*M. Cameirão, S. Bermúdez I Badia,
E.D. Oller & P.F.M.J. Verschure*

Low cost webcam and off the shelf
game interfaces to produce VR
systems for motor rehabilitation after
traumatic brain injury, spinal cord
injury and amputation
*S. Flynn, B. Lange, S.C. Yeh & A.
Rizzo*

**LUNCH
(Harborside)**

**11:30 to
13:00**

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**Panel Discussion 1: Non-
Manual Control of VR Worlds
Chair: Elmar Schmeisser, PhD**

13:00 to
14:30

Brain-computer interfaces for virtual
reality control

*C. Guger, C. Groenegrass, C.
Holzner, G. Edlinger, & M. Slater*

Brain activity during a handshake
with a virtual avatar; a preliminary
study

*H. Lee, J. Ku, W. Lee, K. Han, J.
Park, K.J. Yoon, J. Kim, I.Y. Kim &
S. Kim*

A fMRI study for the 'feeling of
telepresence' during watching a
movie

*J. Park, J. Ku, H.R. Lee, D.B. Choi,
I.H. Park, K. Han, K.J. Yoon, J. Kim,
I.Y. Kim & S. Kim*

Future direction of coherent human-
machine vision systems

Y. Cai

BREAK

14:30 to
15:00

**S2: Addictions & Eating
Disorders
Chairs: Nate Appel, PhD &
Giuseppe Riva, PhD**

15:00 to
16:30

The ETIOBE Project: A supporting
system for childhood obesity

*R. Baños, C. Botella, Á. Frías, M.
Alcañiz, A. Cebolla, E. Etchemendy,
S. Quero & S. Andreu*

VR-enhanced treatment of emotional
eating in obese female in-patients: a
follow-up study

*G.M. Manzoni, A. Preziosa, A.
Gorini, F. Pagnini, G.L. Cesa, G.
Castelnuovo, E. Molinari & G. Riva*

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A virtual arm to stop smoking. A comparative study.

B. Girard, V. Turcotte & S. Bouchard

Psychophysiological aspects of tobacco use and craving

L. Jerome, P. Jordan & R. Rodericks

Development of virtual aversive environments: A preliminary study of virtual covert sensitization for alcohol craving

J. Moon & J.H. Lee

Factors affecting cyber café addiction of undergraduate students in Taiwan

H.J. Yang, J.S. Lay & Y.L. Lay

EAST COAST

**Information Session:
European Association of
CyberTherapy and
Rehabilitation**

**16:30 to
17:30**

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S3: Special Populations
Chairs: Rosa Banos, PhD & Walter Greenleaf, PhD

The Butler Project: Elderly people's satisfaction with new technologies
C. Botella, D. Castilla, R.M. Baños, J.M. Bretón-López, M. Alcañiz, A. García-Palacios, J. Lozano & B. Serrano

Supporting low ability readers with interactive augmented reality
A. Dünser

BlindAid: A virtual exploration tool for people who are blind
O. Lahav, D. Schloerb, S. Kumar & M. Srinivasan

Computer-aided articulatory model for Tamil speech sounds
A. Rathinavelu

The Implementation of a graphic mode phenome learning system for the hearing impaired
Y. Lay, J.S. Lay & H. Yang

Adaptation of the virtual reality system EMMA to infancy
C. López-Soler, C. Botella, R. Baños, V. Fernández, et al.

BREAK

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S4: Posttraumatic Stress Disorder
Chairs: Brenda K. Wiederhold, PhD, MBA, BCIA & Albert "Skip" Rizzo

Virtual reality exposure: Efficacious treatment for PTSD?
S. Miyahira, H. Hoffman, R. Folen & A. García-Palacios

Combat related posttraumatic stress disorder: A multiple case report using virtual reality exposure therapy with physiological monitoring
D. Wood, J. Murphy, K. Center, J. Spira, M. Holland, C. Russ, R. McLay, D. Reeves, R. Koffman, B.K. Wiederhold

Virtual Iraq: VR PTSD exposure therapy with active duty Iraq War combatants
A. Rizzo, B. Rothbaum, J. Difede, K. Graap, G. Reger, et al.

The influence of mTBI on autonomic dysregulation in combat veterans with PTSD
J. Spira, B.K. Wiederhold, K. Center, J. Murphy, R. McLay, D. Wood & M. Wiederhold

The ViRTICo Trial: Virtual reality therapy & imaging in combat veterans
MJ Roy, J. Francis, L. Banks-Williams, J. Friedlander, P. Taylor, et al.

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10:30

10:30 to
11:00

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**S5: Pain
Chairs: Dave Thomas, PhD &
J.L. Mosso, PhD**

Longer, virtual reality pain distraction treatment of Hispanic and Caucasian children with large severe burns
A. Flores, H.G. Hoffman, W. Russell, C.L. Holmes, et al.

Customising pain management technology to meet child and clinical challenges & requirements
K. Miller, S. Bucolo, E. Patterson & R.M. Kimble

Pain control during wound care for combat-related burn injuries using custom articulated arm mounted virtual reality goggles
C. Maani, H.G. Hoffman, P. DeSocio, M. Morrow, et al.

Implementation of FACS for synthetic characters for use in studying facial expression recognition by survivors of childhood cancer
R. Hubal, N. Evens, D. Fitzgerald, K. Hardy, V. Willard & M. Bonner

**LUNCH (Harborside)
Address by Jay Kopelman
Lava Dog Enterprises, Inc.**

**Panel Discussion 3: Wireless
Devices for Training and
Treatment
Chair: Mark D. Wiederhold, MD,
PhD, FACP**

Virtual reality on mobile phones to reduce anxiety in outpatient surgery
J.L. Mosso, A. Gorini, S. Senties, G. de la Cerda, et al.

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11:00 to
12:00

**Panel Discussion 2: Pulse!!©
The Virtual Clinical Learning
Lab: Preliminary Findings on
Usability and Playability**

C. McDonald & C. Bowers

12:00 to
13:30

13:30 to
15:00

**S7: Telehealth
Chair: Sarah Miyahira, PhD**

Italian bloggers' stories. Their personalities and interpersonal relationships quality
G. Ferraro, B. Caci, F. Conti, M. Di Blasi & M. Cardaci

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Cellular phones for reducing
battlefield stress: Rationale and a
preliminary research
*A. Gorini, A. Grassi, D. Villani, A.
Gaggioli & G. Riva*

Pain management with cell phone
technology
M. Wiederhold, B Wiederhold

Discussion Period.

BREAK

**S8: Training
Chairs: Azucena Garcia-
Palacios, PhD**

Extending the media equation to
emotions: An approach for
assessing realistic emotional
characters
*A. Beck, B. Stevens, C. Howell-
Richardson & K. Bard*

Virtual Justina: A PTSD virtual
patient for clinical classroom training
*P. Kenny, T. Parsons, C.S. Pataki,
M. Pato, C. St-George, J. Sugar & A.
Rizzo*

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Instant messenger addiction among
teenagers: Shyness, alienation, and
academic performance decrements
H. Huang & C. Chow

Mobile science learning and
inclusion for blind people
J. Sánchez

What would influence mental health
professionals working in native/ first
nations reserves to refer their
patient to telepsychotherapy
services?
*G. Robillard, S. Bouchard, M.
Séguin*

How ethical are online practitioners
is everyday practice?
K. Holmes

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15:30

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17:00

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Human errors in evacuation
behavior during a virtual fire
emergency

J. Hahm & J.H. Lee

Medical Education Stress
Inoculation Training

*B. Wiederhold, A. Salva, & M.
Wiederhold*

NeuroVR 1.5: A free virtual reality
platform for clinical psychology and
behavioral neurosciences

*G. Riva, A. Gaggioli, A. Gorini, R.
Corsi, et al.*

**Poster Session and
Cyberarium (Harborside)**

**18:30 to
20:30**

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S9: Presence

Chairs: Stephane Bouchard, PhD & Christoph Guger, PhD

Is presence in a physical environment influenced by arousal and attention? A study conducted on researchers in cyberpsychology.
S. Bouchard, G. Robillard & S. Dumoulin

Presence, immersion, and cybersickness assessment through a test anxiety virtual environment
P. Gamito, J. Oliveira, P. Santos, D. Morais, T. Saraiva & M. Pombal

Presence as a cognitive process: the link between self, intention and action
G. Riva

How do patients feel present in VR?
M. Cantamesse

A grounded theory of presence for e-health
C. Galimberti & M. Cantamesse

"Reality tests" increase the efficacy of *in virtuo* exposure for claustrophobics
S. Dumoulin, S. Bouchard, G. Robillard & J. Arsenault

Awards Ceremony and Luncheon (Harborside)

9:30 to
11:00

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S10: Assessment & Rehabilitation

Chair: Uri Feintuch, PhD

Mixed reality physical and cognitive rehabilitation
A. Salva, B. Wiederhold, & M. Wiederhold

A VR-supported tele-system for stroke rehabilitation
S.C. Yeh, C.-Y. Chang, S. Chen, M. McLaughlin, et al.

Effects of stereoscopic displays and interaction devices on human motor behavior
S.C. Yeh, B. Lange, A. Sawchuck & A. Rizzo

Simulated Environment for Counseling, Training, Evaluation and Rehabilitation
D. Gillette & W. Greenleaf

Neuropsychological assessment of attentional processing using virtual reality
T.D. Parsons & A. Rizzo

Virtual reality for the ecological training of planning and memory abilities in elderly population
L. Carelli, F. Morganti & G. Riva

11:15 to
13:00