



Preliminary Programme (as of December 5, 2002). Program changes are possible to accomodate presenter and program needs.

Oral Presentations

Co-chairs: Brenda K. Wiederhold, Ph.D., MBA and Giuseppe Riva, Ph.D.

SUNDAY, 19th January 2003

8 a.m. **WELCOME - Brenda K. Wiederhold**

8.15 **WELCOME - Giuseppe Riva**

CyberTherapy in Anxiety Disorders I

Moderators: Stephane Bouchard & Brenda Wiederhold

8.30 Mel Slater
"Social Anxiety in Virtual Environments: A Pilot Study"

8.50 Stephane Bouchard
"An Update on the First 18 Months of Clinical Studies on Anxiety Disorders at the UQO Cyberpsychology Lab"

9.10 Marcus Kuntze
"Exposure Therapy of Acrophobia in Virtual Environment: Comparing data helmet and a three-segmented power-wall"

9.30 Young Hee Choi
"Effect of Short-term Group Cognitive Behavioral Therapy using VR for the Treatment of Panic Disorder with Agoraphobia"

9.50 David Walshe
"Virtual Reality and Computer Games in the treatment of driving phobia induced by a motor vehicle accident"

10.10 **Discussion Period**

10.25 **BREAK**

CyberTherapy in Anxiety Disorders II

Moderators: Giuseppe Riva and Rosa Banos

- 10.40 Mariano Alcaniz
"Internet-based Telehealth System for the Treatment of Agoraphobia"
- 11.00 Stephane Roy
"Definition of a VR-based Protocol for the Treatment of Social Phobia"
- 11.20 Francesco Vincelli
"Experiential Cognitive Therapy for the Treatment of Panic Disorder with Agoraphobia: A preliminary controlled trial"
- 11.40 Cristina Botella
"Effectiveness of VR for the Treatment of Panic Disorder and Agoraphobia"
- 12.00 **Discussion Period**
- 12.10 **LUNCH with Luncheon Speaker**
til 1:30 p.m.

CyberTherapy in Neuropsychological Assessment and Rehabilitation I

Moderator: Mel Slater & Erik Viirre

- 1.30 Stephen Baumann
"A Virtual Reality System for Neurobehavioral and Functional MRI Studies"
- 1.50 Baek-Hwan Cho
"Efficiency Comparison Between VR and a 3D PC game in terms of neurofeedback training"
- 2.10 Simon Graham
"A Platform for Combining Virtual Reality Experiments with Functional Magnetic Resonance Imaging"
- 2.30 Ralph Mager
"Neurophysiological Age Differences During Task-Performance in a Stereoscopic VE"
- 2.50 Genevieve Quintin
"Spatial Navigation of an Immersive Virtual Environment: Differences Related to Age and Alzheimer's Disease"
- 3.10 **DISCUSSION**
- 3.25 **BREAK**

CyberTherapy in Clinical Psychology I

Moderator: Cristina Botella and Carlo Galimberti

- 3.40 Gabriele Optale
"Male Sexual Dysfunctions and Multimedia Immersion Therapy
- 4 p.m. Gian Luca Cesa
"The Use of Experiential Cognitive Therapy in the Treatment of Obesity: A Controlled Study
- 4.20 Sara Conti
"Virtual Reality in the Treatment of Binge-Eating Disorders"
- 4.40 Presentations of the VEPSY Young Researchers Award winners
- 5.10 **DISCUSSION PERIOD - led by G. Riva**
- 6-9 p.m. **CYBERARIUM: Dave Warner & Brenda Wiederhold**
POSTER SESSIONS WILL BE AT THE CYBERARIUM

MONDAY, 20th January 2003

CyberTherapy in Clinical Psychology II

Moderators: Hunter Hoffman & Dave Thomas

8.00 **WELCOME**

8.05 Susan M. Schneider
"VR Intervention for Older Women with Breast Cancer"

8.25 Mimi Tse
"Visual stimulation as pain relief for Hong Kong Chinese patients with leg ulcers"

8.40 Hunter Hoffman
"Water-friendly VR pain control during wound care in the hydrotank: A case report"

9 a.m. Bruce Thomas
"Immersive Virtual Reality for reducing pain during physical therapy in a cerebral palsy patient"

9.20 Sheldon Brown
"Smoke and Mirrors: a Virtual Reality Debunking Environment"

9.40 **DISCUSSION**

9.55 **BREAK**

Emerging Topics in CyberTherapy I

Moderators: Mariano Alcaniz and Monica Bacchetta

10.10 Giuseppe Riva
Ambient Intelligence in Health Care

10.30 Giuseppe Mantovani
"New dimensions of "system usability": Performing an ergonomic evaluation of Virtual Environments designed for clinical use"

- 10.50 Gianluca DeLeo
"A Virtual Reality System for the Training of Volunteers Involved in Health Emergency Situations"
- 11.10 Carlo Galimberti
"3D Virtual Environments for Cybertherapy: A Psychosocial Approach to Effective Usability"
- 11.30 Diane WhiteHouse (E.U. Representative)
Technologies in Ealth Care
- 11.50 **DISCUSSION**
- 12:05-1:30 **LUNCH with Luncheon Speaker**
- CyberTherapy in Neuropsychological Assessment and Rehabilitation II***
Moderators: Albert "Skip" Rizzo & Dave Warner
- 1.30 Heidi Sveistrup
"Virtual Reality Delivered Exercise Programs Compared to Conventional Exercise Programs for Rehabilitation"
- 1.50 Robin Alvarez Rueda
"Real-Time Brain Activity Monitoring From EEG Power Spectrum"
- 2.10 Cheryl Trepagnier
"Design and Evaluation of a Virtual Environment for Teaching Nonverbal Communication"
- 2.30 Pier Antonio Piccini
"The Integrated Virtual Reality Profile: A VR-based Assessment Tool for Cognitive Impairments"
- 2.50 Tamar Weiss
"Virtual Reality Provides Leisure Time Opportunities for Individuals with Physical and Intellectual Disabilities"
- 3.10 Walter Greenleaf
"Neuralplasticity and virtual environments: implications for physical medicine and rehabilitation"
- 3.30 **DISCUSSION**
- 3.45 **BREAK**
- Emerging Topics in CyberTherapy II***
Moderators: Sun Kim & Alex Bullinger

- 4 p.m. Joann Difede
"Virtual reality exposure therapy for World Trade Center Post Traumatic stress Disorder"
- 4.20 Elena Libin
"The Use of Interactive Artificial Creatures in Psychological Practice: A Case of Robototherapy"
- 4.40 Alex Bullinger
"The ISLANDS-project: Integrated System for Long distance psychiatric Assistance and Non-conventional Distributed health Services"
- 5 p.m. Ioannis Tarnanas
"Virtual Reality as Psychosocial Coping Environment"
- 5.20 **DISCUSSION PERIOD - led by Mark D. Wiederhold**
til 6 p.m.

TUESDAY, January 21st 2003

CyberTherapy in Clinical Psychology III

Moderator: Walter Greenleaf & Sheldon Brown

- 8 a.m. Elena Fedorovskaya
"Affective imaging: A concept for image-based therapeutic procedures"
- 8.20 Jeonghun Ku
"A Virtual Reality System for the Cognitive Assessment of Schizophrenia"
- 8.40 Jang Lee
"Cue exposure system using Virtual Reality for nicotine craving"
- 9 a.m. Albert "Skip" Rizzo
"Virtual Reality in ADHD"
- 9.20 Brenda Wiederhold
"Adding Personality Characteristics to an Existing Framework for VR Therapy"
- 9.40 Mark Wiederhold
"Similarities between Training and Therapy: Lessons learned from TADMUS and VRMC"
- 10 a.m. **DISCUSSION**
- 10.15 **BREAK**
- The Future of CyberTherapy***
- Moderator: Mark Wiederhold**
- 10.30 Luciano Beolchi
CyberTherapy in Future EU Research Calls
- 10.50 Dave Thomas
"Funding Opportunities available at NIDA"
- 11.50 Harvey Magee
"Funding Opportunities available at TATRC"
- 12.10 **LUNCH ON YOUR OWN**

The Future of CyberTraining

Moderator: Kurt Henry

- 1.30 Kurt Henry
"Funding Opportunities available at DARPA, DSO"
- 1.50 Ralph Chatham
"Topics of Interest to DARPA funders"
- 2.10 Dylan Schmorrow
"Funding Opportunities available at DARPA, IPTO"
- 2.30 Joseph Cohn
Spatial Disorientation introduction

Spatial Disorientation Panel

- 4.50 Joe Kirschvink
Spatial Disorientation
- 5.10 **DISCUSSION**