19th Annual CyberPsychology, CyberTherapy & Social Networking Conference

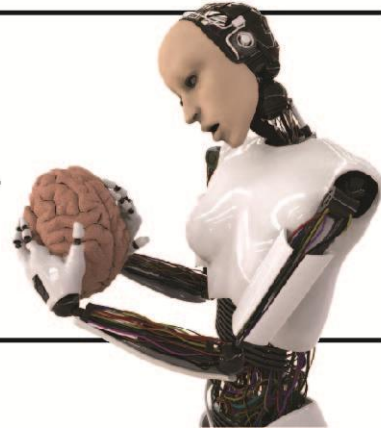**CYPSY19**

CONNECTING THE VIRTUAL AND REAL

Transforming Health and Well-being

Washington, DC
JUNE 17-19, 2014

Pre-Conference
17 June

McMahon Hall
Room 200
Catholic University of
America
Washington, D.C.

Conference
18 – 19 June

Pryzbyla Conference Center
Great Rooms – 3rd Floor
Catholic University of
America
Washington, D.C.

June 17 – June 19, 2014 | Washington, D.C.
Catholic University of America

Dear Conference Attendees:

I am pleased to welcome you to the 19th Annual CyberPsychology, CyberTherapy & Social Networking Conference (CYPSY19). This year's theme, "Connecting the Real and the Virtual" explores how a variety of health technologies are changing individual behavior, societal relationships, and interpersonal interactions. CYPSY19 is honored to host participants from 16 countries interested and dedicated to enhancing public awareness of how technology can overcome obstacles and increase access to top quality healthcare for all citizens. We hope to truly "Transform Health and Well-being".

I would like to extend a special "thank you" for all those who made the conference possible. First and foremost I would like to thank my Conference Co-Chair, Dr. Michael Roy, for all his hard work and dedication in making CYPSY19 a success. Professor Stéphane Bouchard who once again served as Workshop Chair was also a highly valued member of the team. My many thanks to our Scientific Committee Chairs, Professors Willem-Paul Brinkman, Jose Gutierrez Maldonado, and Giuseppe Riva as well as the many members of this year's Scientific Committee. This year's scientific program is bound to be outstanding thanks to their immeasurable commitment. Our Website Chair, Pedro Gamito and his team once again helped bring our mission and work to the foreground this year. And, finally, to the Interactive Media Institute, Virtual Reality Medical Center and Virtual Reality Medical Institute's teams, led by this year's Conference Coordinator, Chelsie Boyd, I would like to extend my gratitude for contributing their time and resources.

Of course the conference would not have been possible if not for the generosity from our Sponsors and Supporters who continue to believe in our mission. My thanks to the American Telemedicine Association, European Commission, Hanyang University Institute of Aging Society, Interactive Media Institute, In Virtuo, ISfTeH, Instituto Auxologico Italiano, Mary Ann Liebert, Inc. Publishers, National Institutes of Health, Thought Technology LTD., Universite du Quebec en Outaouais, Virtual Reality Medical Institute, and the Virtual Reality Medical Center.

Looking forward, CYPSY20, our 20th anniversary Conference, will be held June of 2015 in San Diego, California on the campus of University of California, San Diego. As a scientific community we have achieved so much in these past 20 years; please help us celebrate by attending! I sincerely hope that you find this year's conference an interesting and intellectually stimulating event, and I look forward to your active participation in the coming years. Together we will play a part in transforming healthcare through technology!

Sincerely,

Brenda K. Wiederhold, Ph.D., MBA, BCB, BCN
2014 Conference Organizer Co-chair
Chief Executive Officer, Interactive Media Institute
President, Virtual Reality Medical Institute

Dear Conference Attendees:

Our annual CYPSY conference is 19 now, bidding farewell to adolescence and on the precipice of adulthood. There is no question that we have been in the vanguard, on the cutting edge of new applications for technologies that have completely revolutionized the world, from virtual reality to smart phones.

The program for CYPSY19 appropriately reflects both the promise and the peril associated with new technologies. On the bright side, we have new evidence to support the utility of virtual reality in treating eating disorders, social phobia, and PTSD. We document how computer and phone based approaches can help with pain, addiction, and mood and anxiety disorders. Most notable of all, we have a strong emphasis on the power of positive technology to improve lives, where, when, and how the patient needs it. This represents a significant transformation in the way that we provide psychotherapy in two dimensions: first, rather than requiring the patient to schedule an appointment for when their therapist is available and have to travel to their office, therapy is now available at the convenience of the patient. Second, rather than focusing on disease and disorder, the focus now is more on reducing stress in daily life to prevent a disorder. However, our program also highlights the dangers inherent in this brave new world, including cyberbullying, cyberstalking, and on-line addictions.

CYPSY19 returns us to Washington, D.C., where the meeting was last held in 2007. The self-proclaimed capital of the free world has been roiled in controversy over the level to which government should engage in on-line surveillance, walking a tightrope trying to sniff out terrorist plots before they endanger innocent citizens, without unnecessarily invading the privacy of those same citizens. The convenience that is so appealing as a means for facilitating therapy is also a boon to terrorists as well as unscrupulous governments who might wish to clamp down on opposition parties. Washington is not just politics, however. Adjacent to the meeting site is the Shrine of the Immaculate Conception, featuring millions of mosaic tiles, and not much further away is the National Arboretum, with colorful azaleas, koi, and Japanese bonsai trees. The many buildings that comprise the Smithsonian are all free of charge and constitute are remarkable collection of art and items of historic interest. Take a walk on the Washington Mall where flowers are in bloom everywhere, and take a selfie in front of the Lincoln Memorial or the Capitol dome. Take an amphibious duck tour of the downtown and the Potomac River. Have a drink at a rooftop or sidewalk café, dine in a wide array of ethnic restaurants, and listen to jazz at Blues Alley in Georgetown. Be inspired with new ideas for future research, and establish new collaborations while you are at CYPSY19, but also make Washington your home for a few days, and get a good taste of all the city has to offer.

Welcome to Washington and CYPSY19!

Michael Roy, M.D., Col.
2014 Conference Co-Chair
Division of Military Internal Medicine
Uniformed Services University of the Health Sciences

Conference Program Committee

Conference Organizer & Co-chair
Brenda K. Wiederhold, Ph.D., MBA, BCB, BCN
Interactive Media Institute,
Virtual Reality Medical Institute

Conference Co-chair
Michael Roy, M.D. Col.
Division of Military Internal Medicine
Uniformed Services University of the Health
Sciences

Conference Coordinator
Chelsie Boyd, MREs
Interactive Media Institute

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Delft University of Technology

Jose Gutierrez Maldonado, Ph.D.
University of Barcelona

Giuseppe Riva, Ph.D.
Istituto Auxologico Italiano

Workshop Chair:
Stéphane Bouchard, Ph.D.
Université du Québec en Outaoais

Website Chair:
Pedro Gamito, Ph.D.
Universidade Lusófona de Humanidades e
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Hellenic Association for the Study of Internet
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Universita Cattolica del Sacro Cuore

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Tripler Army Medical Center

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Kozani University CATLab

Dave Thomas, Ph.D.
National Institute on Drug Abuse

Eric Vermetten, Ph.D.
University Medical Center

David Walshe, Ph.D.
University College Cork

Mark D. Wiederhold, M.D., Ph.D., FACP
Virtual Reality Medical Center

Keynote Speaker
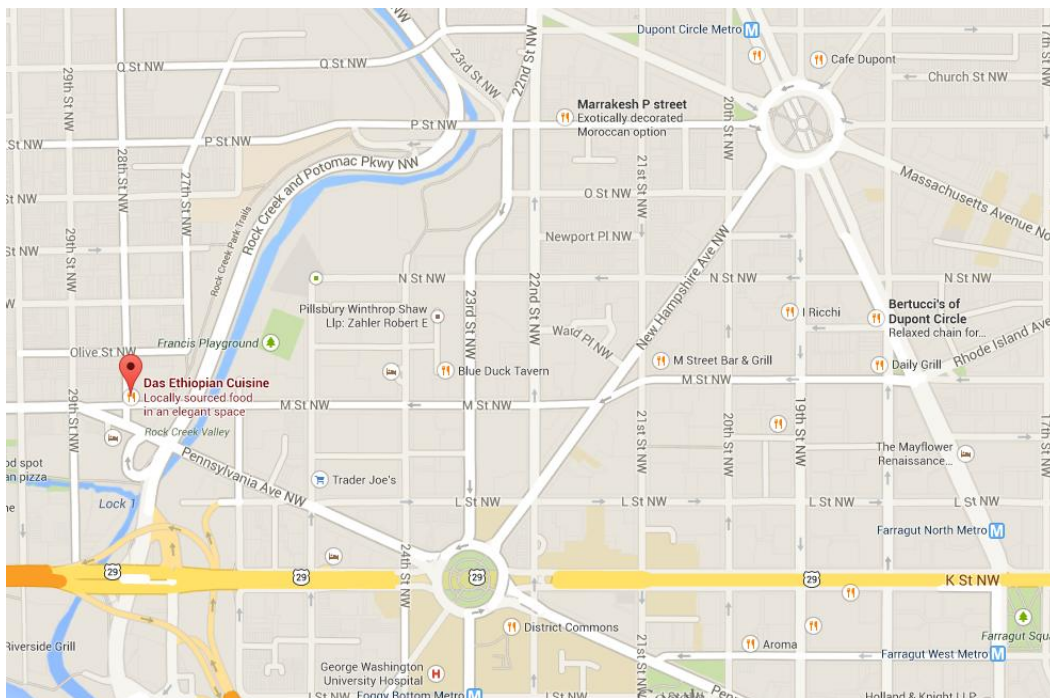June 19th, 2014

Congresswoman Grace F. Napolitano
U.S. Representative for California's 32nd Congressional District

Gala Dinner
June 19th, 2014 – 7:30 pm
Accessible via Foggy Bottom, Dupont Circle & Farragut North/West Metro Stops

Das Ethiopian Cuisine
1201 28th St NW, Washington, DC 20007

Tuesday, June 17, 2014 – Pre-Conference Workshops

13:45 – 14:00	**Registration**
14:00 – 17:00	**Positive Technology: Exploring Positive Ways of Designing Technologies** McMahon Hall – Room 200 *Workshop Leaders:* *Giuseppe Riva and Andrea Gaggioli, Istituto Auxologico Italiano, Italy*

Wednesday, June 18, 2014 – Conference Day 1

8:30 – 9:00	**Registration**
9:15 – 9:30	**Welcome Remarks** *Brenda K. Wiederhold* *President, Interactive Media Institute* *Conference Co-Chair* *Michael Roy* *Uniformed Services University* *Conference Co-Chair*
9:30 – 19:30 Great Room A	**Exhibits Open**
<u>**Morning Session**</u> **9:30 – 11:30** Great Room B	**Virtual Reality** *Chair: Carlo Galimberti* * Università Cattolica del Sacro Cuore di Milano, Italy* Controlling a Stream of Paranoia Evoking Events in a Virtual Reality Environment *Willem-Paul Brinkman, Delft University of Technology, The Netherlands* Validation of VR-based Software for Binge Eating Treatment: Preliminary Data *Marta Ferrar-García, Universitat de Barcelona, Spain* Simulated Job Interview Improves Skills for Adults with Serious Mental Illnesses *Laura Humm, SIMmersion LLC, USA* Effects of Simulation Fidelity on User Experience in Virtual Fear of Public Speaking Training *Sandra Poeschl, Institute for Media and Communication Science, Germany* Assessing the Mental Frame Syncing in The Elderly: A Virtual Reality Protocol *Giuseppe Riva, Istituto Auxologico Italiano, Italy* Experimental Investigations of Healthcare Communication Processes using VR *Susan Persky, National Human Genome Research Institute, USA* Overlap Between Cybersickness and Anxiety in a non VR Immersive Task *Geneviève Robillard, Université du Québec en Outaouais, Canada*

11:30 – 12:00 Great Room A	**Networking Break**
12:00 – 13:30 Great Room B	**Advances in Cyberpsychology and Virtual Reality** *Chair: Marta Ferrer-García* * Universitat de Barcelona, Spain* Virtual Patients and Formative Assessment To Train Diagnostic Skills *José Gutiérrez-Maldonado, Universitat de Barcelona, Spain* A Personal Health Information Toolkit for Health Intervention Research *Paul Kizakevich, RTI International, USA* Virtual Reality Graded Exposure Therapy with Arousal Control for the Treatment of Combat Related Posttraumatic Stress Disorder: A Follow Up Case Series *Dennis Wood, Virtual Reality Medical Center, USA* Feasibility of VR for Adjunctive Pain Control During Physical Therapy *Hunter Hoffman, University of Washington, USA* Exposure Therapy for PTSD Returns Brain Function to Normal *Michael Roy, Uniformed Services University, USA*
13:30 – 15:15	**Lunch on Your Own**
Afternoon Session 15:15 – 17:00 Great Room B	**Online and Mobile Health** *Chair: Giuseppe Riva* * Istituto Auxologico Italiano, Italy* Cognitive Assessment Of Stroke Patients With Mobile Apps: A Controlled Study *Pedro Gamito, Universidade Lusófona, Portugal* A (Cyber)place for Wellbeing: Managing Interactions in eHealth *Carlo Galimberti, Università Cattolica di Milano, Italy* Intersubjectivity in Video Interview *Lise Haddouk, Université Paris Descartes, France* Online Emotional Regulation System to Deliver Homework *Soledad Quero, Universitat Jaume I, Spain* The Mediating Role of Facebook Fan Page Users' Interestingness Attitude *Kai-Yu Wang, Brock University, Canada* How Do Clients and Therapists in Online Text Therapy Experience Their Exchanges *D'Arcy Reynolds, The University of Southern Indiana, USA*
17:00 – 17:30	**Set-up for Cyberarium & Poster Session**
17:30 – 19:30	**Poster Session** *See Page 12 for details* **Cyberarium (Research Prototypes in Foyer)**

Thursday, June 19, 2014 – Conference Day 2	
8:30 – 9:30	**Registration**
9:30 – 9:45 Great Room B	**Keynote Address** *Congresswoman Grace F. Napolitano* *U.S. Representative for California's 32nd Congressional District*
9:45 – 17:00	**Exhibits Open**
9:45 – 10:15 Great Room B	*Networking Break & Conference Photos*
Morning Session 10:15 – 11:30 Great Room B	**U.S. & European Funding Programs** *Chair: Dave Thomas* *National Institutes of Health/ National Institute on Drug Abuse, USA* Opportunities and Strategies for Funding the Development and Testing of Cyber Technologies to Reduce Pain *Dave Thomas, National Institutes of Health/ National Institute on Drug Abuse, USA* National Institute of Health Grants and Contracts *Hirsch Davis, National Institutes of Health/ National Institute on Drug Abuse, USA* Horizon 2020 *Megan Richards, DG CONNECT, European Commission, Belgium* Doing Business with DARPA *Geoff Ling, Defense Advanced Research Projects Agency, USA* Funding Opportunities in the Narrative Dimensions of Therapy: Closing the Loop on Reversing Perseveration Against Traumatic Memories *William D. Casebeer, Defense Advanced Research Projects Agency, USA* Funding for Research and Start-ups *Stephen Kennedy Smith, Park Agency - Kennedy Enterprises*
11:30 – 12:45 Great Room B	**Positive Technology** *Chair: José Gutiérrez-Maldonado* *Universitat de Barcelona, Spain* VR as an Experiential Tool to Prevent and Treat Job-Related Stress *Giuseppe Riva, Istituto Auxologico Italiano, Italy* Marketing Analysis of a Positive Technology App for Psychological Stress *Brenda K. Wiederhold, Virtual Reality Medical Institute, Belgium* VR Mobile Solutions For Chronic Stress Reduction in Young Adults *Chelsie Boyd, Interactive Media Institute, USA* Positive Technology: A Free Mobile Platform for Psychological Stress *Andrea Gaggioli, Istituto Auxologico Italiano, Italy*
12:45 – 13:00 Great Room B	**Awards Ceremony**
13:00 – 14:30	**Lunch**

Afternoon Sessions		
14:30 – 15:50 (Parallel Sessions)	Great Room B **Pain Panel** *Chair: Dave Thomas* *Dave Thomas, National Institutes of Health/ National Institute on Drug Abuse, USA* Cybertherapy and Pain Treatment: Making Connections *Dave Thomas, National Institutes of Health/ National Institute on Drug Abuse, USA* Total Pain and Development of An Instrument to Assess Psycho-Socio-Spiritual Healing *Ann Berger, National Institutes of Health, USA* European Research Using Virtual Reality for Pain Treatment *Megan Richards, DG CONNECT, European Commission, Belgium* Combination Therapy: VE Therapy and Pharmaceuticals Generate Synergistic Effects *Walter Greenleaf, Stanford University, USA*	Great Room C **Early Innovators Session (Student Symposium)** *Chair: Willem-Paul Brinkman Delft University of Technology, The Netherlands* Different Eye Movements on Sexual Stimuli in Sexual Offenders *Bomyi Jeon, Chung-Ang University, Republic of Korea* Grief Support Groups in Second Life *Margaret Lubas, Old Dominion University, USA* Cognitive Assessment of OCD Patients: NeuroVR vs Neuropsych Test *Filippo La Paglia, Università degli studi di Palermo, Palermo, Italy* Usability Assessment of a Virtual Multitasking Test for Elderly People *Giulia Corno, Università Cattolica del Sacro Cuore di Milano, Italy* Reducing Automatic Action Tendencies to Approach Alcohol: Virtual Alcohol AAT *Hye-Min Kim, Chung-Ang University, Republic of Korea* Cultural Contexts in the Management of Stress Via Narrative and Mobile Technology *Matthew Lee, University of Pennsylvania, USA* Exploring Identity Motives in Twitter Usage in Saudi Arabia and the UK *Heyla Selim, University of Sussex, UK*
15:50 – 18:00 (Parallel Sessions)	Great Room B **Cyberbullying & Cyberstalking** *Chair: Andrea Gaggioli Istituto Auxologico Italiano, Italy*	Great Room C **Early Innovators Session (Student Symposium)** *Chair: Willem-Paul Brinkman Delft University of Technology, The Netherlands*

	The Impact of Cyberstalking *James Barnes, University of Bedfordshire, UK* Parental Mediation and Cyberbullying - A Longitudinal Study *Grace Chng, Singapore National Institute of Education, Singapore* Determinants of Effective and Ineffective Coping with Cyberbullying *Francine Dehue, Open Universiteit Nederland, the Netherlands* Online Perspective-Taking as an Intervention Tool against Cyberbullying *Karolien Poels & Evert Van den Broeck, Universiteit Antwerpen, Belgium* The Experience of Cyberstalking *Emma Short, University of Bedfordshire, UK* Emotion-focused Coping with Daily Stress and Cyberbullying *Trijntje Vollinck, Open Universiteit Nederland, the Netherlands* Establishing Norms of Deviant Online Behaviors *Graham Scott, University of the West of Scotland, UK*	ICTs Tools for the Prevention of Depression *Adriana Mira, Universitat Jaume I, Spain* The Effects of Pleasant and Unpleasant Odours on Presence and Reality *Oliver Baus, Université du Québec en Outaouais, Canada* The Effects of Inhibition of Body Postures on Emotion *Gaeun No, Chung-Ang University, Republic of Korea* Development of a VR Application for Binge Eating Treatment *Joana Pla, Universitat de Barcelona, Spain* What Do We Mean by Social Networking Sites? *Louise La Sala, Swinburne University of Technology, Australia* Thinking Outside the Box When Using Virtual Environments with Patients *Claudie Loranger, Université du Québec en Outaouais, Canada* The Effect of Interpersonal Trust in the Contagion of Anxiety by the Smell of Fear *Pamela Quintana, Université du Québec en Outaouais, Canada*
19:30	**Gala Dinner – Das Ethiopian Cuisine**	

Poster Session

An Exploration of the Impact of the Utility of a PCIT Mobile App on Tx Efficiency and Attrition	*Patricia Gisbert, University of Miami, USA*
NeuroDRIVE: A Novel Approach to Cognitive Rehabilitation for TBI in a Virtual Environment	*Amador K., Guise B. J. & Ettehnofer M. L., Uniformed Services University, USA*
Peer Influences Positively Predicted Adolescent Internet Addiction via Positive Outcome Expectancy of Internet Use Among Junior High School Students in Taiwan: One-Year Follow-Up Study	*Huei-Chen Ko, Asia University, Taiwan*
Systematic Development of Online *Pestkoppenstoppen*, an Intervention for Cyberbully Victims	*Niels Jacobs, Open Universiteit Nederland, The Netherlands*
Indirect Assessment on Cognitive Association of Sexual Offenders: Using Computerized IAT	*Sang Hee Jo, Chung-Ang University, Republic of Korea*
The Effects of EC and VA-AAT to Modify Drinking Attitudes in Alcohol Abusers	*Hye-Won Kim, University of Chung-Ang, Korea*
Virtual Mock Crime Study of Visual Pattern & Memory Inaccuracy of the Eyewitness Using Eyetracker	*Se-Jin Kim, Chung-Ang University, Republic of Korea*
Towards The Integration Of New Technologies In Clinical Practice: The Facebook Case	*Fivos Kolovos, Université Paul-Valéry, France*
The Virtual Multitasking Test as an Ecological Assessment Tool for the Study of Executive Ageing	*Julie Paré, Université du Québec en Outaouais, Canada*

Patients' Expectations and Satisfaction with Traditional CBT versus CBT supported by ICTs	*Soledad Quero, Universitat Jaume I, Spain*
An Online Self-Applied Program for Drug Use Prevention in Adolescents (PREVEN-TIC FORMATIVO): the Professionals' Assessment	*Soledad Quero, Universidad de Valencia, Spain*
Social Anxiety and Physiological Arousal in Computer Mediated vs. Face-to-Face Communication	*Jonathan G. Shalom, Ben-Gurion University of Israel, Israel*

<u>Acknowledgments</u>

CYPSY19 Conference at-a-Glance

TUESDAY, June 17, 2014

13:45 – 14:00 Registration

14:00 – 17:00 Workshop

WEDNESDAY, June 18, 2014

8:30 – 9:00 Registration

9:30 – 19:30 Exhibits Open

9:15 – 9:30 Welcome Remarks

9:30 – 11:30 Symposium

Virtual Reality

11:30 – 12:00 Networking Break

12:00 – 13:30 Symposium

Advances in Cyberpsychology and Virtual Reality

13:30– 15:15 LUNCH on your own

15:30 – 17:00 Symposium

Online and Mobile Health

17:00 – 17:30 Set-up for Cyberarium & Poster Session

17:30 – 19:30

Poster Session and Cyberarium (Foyer)

THURSDAY, June 19, 2014

8:30 – 9:30 Registration

9:45 – 17:00 Exhibits Open

9:30 – 9:45 Keynote Addresses

9:45 – 10:15 Networking Break & Conference Photos

10:15 – 11:30 Symposiums

U.S. & European Funding Programs

11:30 – 12:45 Symposium

Positive Technology

12:45 – 13:00 Awards Ceremony

13:00 – 14:30 LUNCH on your own

14:30 – 15:50 Symposia

Pain Panel

Early Innovators Session

15:50 – 18:00 Symposia

Cyberbullying & Cyberstalking

Early Innovators Session

19:30 Gala Dinner

CYPSY20

CyberPsychology, CyberTherapy & Social Networking

20th Anniversary Conference

Save the Date

JUNE 2015
San Diego, California

For more information please visit
www.interactivemediainstitute.com/conferences.html
or e-mail cybertherapy@vrphobia.com