

ICDVRAT 2022, 06 – 08, September Biblioteca Pública e Arquivo Regional Av. Gaspar Frutuoso, 9500-054 Ponta Delgada	
September 5, 2022 (a-STEP COST Action pre-conference WG meetings)	
09.00	a-STEP COST Action
09.15	Sign the attendance list
09.15	a-STEP COST Action
09.30	Opening and Welcome
09.30	a-STEP COST Action Working Group Meetings 2, 3, & 4
11.30	
11.30	Coffee Break
11.45	
11.45	a-STEP COST Action Working Group Meetings 1 & 5
13.00	
13.00	Lunch Break
14.30	
14.30	a-STEP COST MC meeting
16.30	
16.30	Coffee Break
17.00	
17.00	Closing
17.30	
19.30	a-STEP Dinner
September 6, 2022	
10.00	a-STEP COST Action Joint Meetings
14.30	
14.00	Opening session
14.30	<i>Iva Cogumbreiro, Paul Sharkey, Pedro Gamito, David Brown, Bonnie Connor, Geraldine Leader</i>
14.30	<u>a-STEP KEYNOTE #1</u>
14.30	Mixed Realities and Mental Health: from casual dating to a relationship?
15.30	<i>Rosa Baños</i>
Clinical Studies I Chair: Isabel Santos	
15.30	Beyond Efficacy: Breaking Down Barriers to Care with Clinical VR
15.45	<i>Albert "Skip" Rizzo, S Koenig, B Lange</i>
15.45	A Review of Digital Interventions for Autistic Children
16.00	<i>Will Farr, S McGrevey</i>
16.00	Interactive Psychological Interview Training Application (IPsyIT_app): validation study
16.15	<i>Ana Beato, AR Conde, T Souto, J Oliveira, J Sousa, F Dias, P Gamito</i>
16.15	Effectiveness of a Projection-based Augmented Reality Exposure System for Cockroach Phobia Treatment. Preliminary results of a randomized controlled trial
16.30	<i>Jorge Grimaldos, M Palau-Batet, L Díaz-Sanahuja, J M Bretón-López, S Quero</i>
16.30	
16.30	Coffee Break
17.00	

Clinical Studies II Chair: Orly Lahav	
17.00 17.15	Stress inoculation in police officers using virtual reality - A controlled study <i>Jorge Oliveira, P Gamito, J Silva, J Rosa, M Mendes, R Dias, J Cartaxo, F Dias, S Mansuklal, A Salvador</i>
17.15 17.30	Virtual Reality Exposure Therapy in Acrophobia <i>Iveta Fajnerová, A Francová, M Jablonská</i>
17.30 17.45	Feasibility of an Augmented Reality customized cognitive stimulation program for individuals with dementia: a clinical study with the Musiquence platform <i>Mónica Paula Spínola, J Câmara, L Ferreira, AL Ferreira, S Bermúdez i Badia</i>
17.45 18.00	A Place to Be: Assessment of the Social Inhibition dimension of Type D Personality through a virtual reality scenario <i>Isabel Santos, B Gonzalez, P Gamito, F Dias, J Oliveira</i>
18.00 19.00	a-STEP COST Action Dissemination
September 7, 2022	
10.00 18.00	a-STEP COST Action Delphi Study Workshop
Cognitive Rehabilitation Chair: Mahmud Mufti	
09.30 09.45	Computerized cognitive rehabilitation in stroke patients: A systematic review <i>Micaela Fonseca, M Fonte, P Lopes, J Oliveira, P Gamito</i>
09.45 10.00	ADL ATM TASK: VIRTUAL vs. REAL ABI vs. NEUROTYPICAL <i>Rita Pereira, J Oliveira, P Gamito, Á Salvador, F Dias, J Galhordas, A Fantasia</i>
10.00 10.15	Strategy-based cognitive training with VRcity serious games in elderly <i>Iveta Fajnerová, M Slezáková, A Plechatá</i>
10.15 10.30	Cognitive training in Alcohol Use Disorder treatment: a randomized control clinical trial with personalized virtual reality and paper-and-pencil in an inpatient population <i>Rita Costa, S Lima, M Cameirão, S Bermúdez i Badia, AL Faria</i>
10.30 10.45	Virtual Reality Intervention for Easing Communication for Individuals with Autism Spectrum Disorder <i>Ali Adjorlu, AA Langhoff, AS Nyhus, ES Hansen, FK Ifversen, SM Kromann Kristiansen, ST Henriksen</i>
10.45 11.00	Usability evaluation of cognitive training with the NeuroAlreh@b platform: preliminary results of an ongoing pilot study <i>Teresa Paulino, J Câmara, D Branco, L Ferreira, M Spínola, A Faria, M Cameirão, S Bermudez i Badia, E Fermé</i>
11.00 11.15	Participatory Design and Evaluation of a Virtual Reality Environment to Facilitate Music Therapy for Individuals with ASD <i>Ali Adjorlu, H Thøgersen, HD Jørgensen, JU Noer, JH, KB Carr, S Serafin</i>
11.15 11.30	Cognitive training involving simulations of instrumental activities of daily living following acquired brain injury: a pilot study with the NeuroAlreh@b platform <i>Joana Câmara, T Paulino, M Spínola, D Branco, M Cameirão, AL Faria, L Ferreira, A Moreira, AR Silva, M Vilar, M Simões, S Bermúdez i Badia, E Fermé</i>

11.30	Coffee Break
12.00	
Simulation Chair: Nicholas Shopland	
12.00	SoMe and Patient (Mis)information: Dr. Jekyll or Mr. Hyde?
12.15	<i>Elisabetta Brigo</i>
12.15	A Game-based Learning Method for Practicing Metacognitive Reflection While Focusing on Improvement of In-game Skills
12.30	<i>Gal Alon, O Lahav</i>
12.30	Development of a colour blindness simulation software
12.45	<i>Cecilia Sik-Lanyi, LD Kamu, T Guzsvinecz, J Szucs</i>
12.45	A Survey of Virtual Reality Hygiene Practices
13.00	<i>Emil Rosenlund Høeg, B Lange</i>
13.00	Understanding the impact of virtual touch on user experience
13.15	<i>Rosa Maria Baños, R Herrero, L Desdentado, A Jimenez</i>
13.15	Emotion Classification via a multi-biosignal processing using Machine Learning in immersive and non-immersive Virtual Reality
13.30	<i>Rodrigo Lima, A Chirico, R Varandas, H Gamboa, A Gaggioli, S Bermúdez i Badia</i>
13.30	Lunch Break (Steering Committee meeting)
15.00	
Motor Rehabilitation Chair: Iveta Fajnerová	
15.00	Video-Based Quantitative Evaluation of Upper Limb Movements
15.15	<i>Kento Suzuki, C Liu, L H O Santos, H Ueshima, O Sugiyama, G Yamamoto, S Okahashi, T Kuroda</i>
15.15	RehaBricks - A Modular Electronic Peg Board for Exercise Adaptability in Upper Limb Rehabilitation
15.30	<i>Luciano Santos, C Liu, G Yamamoto, T Kuroda, S Okahashi</i>
15.30	Immediate Effects of the Honda Walking Assist on Spatiotemporal Gait Characteristics in Individuals after Stroke
15.45	<i>Eva Swinnen, M Firouzi, E Keersmaecker, N Lefeber, S Roggeman, E Joos, E Kerckhofs</i>
15.45	Immediate Effects of the Honda Walking Assist on Spatiotemporal Gait Characteristics in older adults
16.00	<i>David Beckwée, M Firouzi, E Keersmaecker, N Lefeber, S Roggeman, E Joos, E Kerckhofs, E Swinnen</i>
16.00	A self-paced virtual reality environment as a potential tool to assess road-crossing safety and self-evaluation of performance for those with traumatic brain injuries: a series case study
16.15	<i>Andrew McCluskey, M Al-Amri</i>
16.15	<u>a-STEP KEYNOTE #2</u>
17.15	Spatial navigation and XR in cognitive assessments and rehabilitation <i>Sophia Rekers</i>
20.00	ICDVRAT Social Dinner
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September 8, 2022	

Virtual reality for health I	
Chair: Ali Adjorlu	
09.30 09.45	Body ownership illusion through Virtual Reality might restore motor systems after stroke: a systematic review of an emerging field <i>Sara Ventura, P Marchetti, R Baños, A Tessari</i>
09.45 10.00	VR-enhanced walking in people post-stroke: effect of optic flow speed on the gait biomechanics <i>Emma De Keersmaecker, A Van Bladel, N Lefeber, B Jansen, C Rodriguez-Guerrero, E Swinnen</i>
10.00 10.15	Virtual Reality training for unilateral spatial neglect after Stroke <i>Eva Swinnen, E Keersmaecker, E Kerckhofs, N Vaes, B Jansen</i>
10.15 10.30	Virtual reality for multiple sclerosis rehabilitation: preliminary results of a Cochrane review <i>Eva Swinnen, E Keersmaecker, D Beckwée, S Denissen, G Nagels, B Jansen</i>
10.30 10.45	TangiBall: Development of a Prototype Tangible User Interface for Detection of Speed and Accuracy Variation in Pre-School Autistic Children <i>Will Farr, Y Mei, I Male, S McGrevey, FL Siena, P Breedon</i>
10.45 11.00	Virtual Reality Travel Training - A reboot <i>James Lewis, D Brown</i>
11.00 11.15	Co-Designing Shared VR Environments with Students and Young Adults with Intellectual Disabilities: Preliminary Fieldwork Phase <i>Matthew C Harris, D J Brown, P Vyas, J Lewis</i>
11.15 11.45	Coffee Break
Virtual reality for health II	
Chair: Sara Ventura	
11.45 12.00	Utilising Metahumans for Facial Emotion Recognition Ability in Persons with Autism Spectrum Disorder <i>Sean Haddick, D J Brown, B Connor, J Lewis, M Bates, S Schofield</i>
12.00 12.15	Affecting Spatial Skills with Virtual Environments and Display Devices <i>Tibor Guzsvinecz, E Orban-Mihalyko, E Perge, C Sik-Lanyi, J Szucs</i>
12.15 12.30	Effect of natural environment simulation on anxiety: single case approach in French university students <i>Donovan Morel, B Vivicorsi, L Haddouk</i>
12.30 12.45	Exploring Contributions of Virtual Agents to the Illusion of Plausibility in a Virtual Bar Intended for Cue Exposure Treatment <i>Ali Adjorlu, C Hutters, D Reipur, A Adjorlu, R Nordahl</i>
12.45 13.00	Improving the Efficacy of Exposure Therapy Using Projection- Based Augmented Reality for the Treatment of Cockroach Phobia: A Randomized Clinical Trial <i>María Palau-Batet, J Grimaldos, L Díaz-Sanahuja, J M Bretón-López, S Quero</i>
13.00 13.15	Immersive Virtual Reality-based Treatment of PTSD after Mild TBI, with and without an Eye Movement Task <i>Michael Roy, P Bellini, S Kruger, H Atallah, K Dunbar, T Haight</i>

13.15 **AViR: A Virtual Reality based framework for psychological support after involuntary early pregnancy loss**
13.30 *Mónica Cameirão, A Fonseca*

13.30 **Prize session**
14.00 *Sergi Bermúdez I Badia, Roberto Llorens, Jorge Oliveira*

14.00 **Closing remarks**
14.15 *Paul Sharkey, Pedro Gamito, Iveta Fajnerová*