

September 8 2021		
14.00		
14.30	<b>Conference opens</b>	
14.30	<b>Opening session</b>	
15.00	<i>Pedro Gamito, David Brown, Sebastian Koenig and Tomé Pires</i>	
<u>KEYNOTE #1</u>		
15.00	<b>The Evolution of Virtual Humans in Clinical Virtual Reality and Beyond!</b>	in-person
16.00	<i>Skip Rizzo</i>	
Physical/motor rehab studies <i>Chair: Micaela Fonseca</i>		
16.00	<b>Virtual Reality and Rehabilitation: Review of Reviews</b>	in-person
16.15	<i>Dido Green, N Keijsers and P Aarts</i>	
16.15	<b>Buddy Biking: A Usability Study on Social Co-Action in Virtual</b>	in-person
16.30	<i>B Lange and Emil Hoeg</i>	
16.30	<b>Augmented Reality and Real-Time Feedback for Physical Therapy</b>	in-person
16.45	<i>Linda Lancere and I Kugaudo</i>	
16.45	<b>Coffee break</b>	
17.15	<b>Promoting physical activity using pervasive social games: case studies with elderly people in Brazil and Japan</b>	online
17.30	<i>Luciano Santos, K Okamoto, SS Funghetto, AS Cavalli, R Otsuki, S Hiragi, G Yamamoto, O Sugiyama, CD Castanho, T Aoyama and T Kuroda</i>	
17.30	<b>Feasibility of Assessing Balance via a Virtual Reality Bus Ride</b>	online
17.45	<i>A Gonçalves, M Montoya, R Llorens and Sergi Bermúdez i Badia</i>	
17.45	<b>The design of a fully immersive virtual reality application to facilitate engagement in upper limb rehabilitation post-stroke using mirror therapy-based action observation</b>	online
18.00	<i>Senai Leniston-Kahsai, E Ramirez, B Robinson, N Signal and B Mallettdia</i>	
18.00	<b>Natural locomotion for patients in VR-based supermarket tasks</b>	online
18.15	<i>Paul Chojecki, D Runde, D Przewozny, M Lafci, M Gaebler, J Tromp, S Krohn, F Klotzsche, M Kovalenko, J Belger, A Thöne-Otto, C Finke, O Schreer and P Eisert</i>	
September 9 2021		
Cognitive assessment and rehab <i>Chair: Teresa Souto</i>		
09.30	<b>Cognitive stimulation using virtual reality on activities of daily living in people with mild to moderate dementia due to Alzheimer's disease</b>	in-person
09.45	<i>Jorge Oliveira, T Corotnean, S Cardoso, A Andrade, T Neto, A Fernandes and P Gamito</i>	
09.45	<b>Research in serious games for people with intellectual disability: a meta-analysis study</b>	online
10.00	<i>Carla Sousa</i>	
10.00	<b>EEG analysis pipeline optimized to detect therapeutically relevant brain states in real time for clinical rehabilitation applications</b>	online
10.15	<i>Jorge Oliveira, T Eric McDermott, J Metsomaa, U Ziemann and C Zrenner</i>	

10.15	<b>Size and behaviour of virtual objects may be important for cognitive and motor rehabilitation: preliminary results</b>	online
10.30	<i>Imre Cikajlo, K Grabljevec, T Klun, P Rogelj, G Vucko, D Zajc, A Hukic, K Susnik, M Vidmar and A Pertot</i>	
Synthetic agents <i>Chair: Filipe Luz</i>		
10.30	<b>Synthetic agents: relaxing agents?</b>	in-person
10.45	<i>P Gamito, Teresa Souto, J Oliveira, A Conde, MJ Ferreira, J Alves de Sousa, Teixeira, M Ferreira, F Dias, S Atul, R Pereira and E Távora</i>	
10.45	<b>Putting into a female body: the feasibility of 360° video-based virtual reality to induce the body swap illusion</b>	in-person
11.00	<i>Sara Ventura, G Cardenas, M Miragall, G Riva and R Baños</i>	
11.00	<b>Interviewing a Virtual Patient: Exploring patterns in clinical interviewing of psychologists</b>	in-person
11.15	<i>Shivani Mansuklal, P Gamito and T Souto</i>	
11.15	<b>Construction and effect of relationships with agents in a virtual reality</b>	online
11.30	<i>Mauro Bianchi, T Abril and J Oliveira</i>	
11.30	<b>Coffee break</b>	
12.00		
VR and psycho-medical applications <i>Chair: Jorge Oliveira</i>		
12.00	<b>Virtual reality online therapy: Development of a multiuser application for psychotherapeutic intervention</b>	in-person
12.15	<i>Fábio Dias, P Gamito, T Souto</i>	
12.15	<b>Tele-guidance based Remote Navigation Assistance System for Visually Impaired and Blind People – Development and User Experience Study</b>	online
12.30	<i>Babar Chaudary, S Pohjolainen, S Azziz, L Arhipainen and P Pulli</i>	
12.30	<b>Using Virtual Reality Applications for Management of Chronic Cancer Pain: User perceptions and preferences</b>	online
12.45	<i>Gordon Tao, B Garrett, T Taverner, E Cordingley and C Sun</i>	
12.45	<b>An intelligent virtual environment for treating anxiety exploring the Eye Movement Desensitization and Reprocessing technique</b>	online
13.00	<i>B Cons, FM de Oliveira, V Werneck and Rosa Maria Costa</i>	
13.00	<b>A virtual reality canvas: Using a drawing application to manage behaviour in people with Down Syndrome</b>	online
13.15	<i>Stefan Michalski, A Szpak, C Ellison, K McMahon and T Loetscher</i>	
13.15	<b>From Lab to Rehab: Is virtual reality being adopted clinically for children?</b>	online
13.30	<i>William Farr, S Glegg, I Male and D Green</i>	
13.30	<b>Lunch</b>	
14.30		
Cognitive assessment and rehab <i>Chair: Rita Farias</i>		
14.30	<b>Effect of Immersive Visualization Technologies on Cognitive Load, Motivation, Usability, and Embodiment</b>	in-person
14.45	<i>Nicolas Wenk, J Penalver-Andres, K A Buetler, T Nef, R M Müri and L Marchal-Crespo</i>	

14.45 15.00	<b>Characterizing the Use of Interactive Technologies for Cognitive Rehabilitation in Portuguese Healthcare Institutions: Preliminary Results</b> <i>Teresa Paulino and MS Cameirão</i>	in-person
15.00 15.15	<b>Cognitive rehabilitation through an ecologically valid virtual reality-based simulation of activities of daily living: a randomized controlled trial with psychiatric inpatients</b> <i>Joana Camara, J Nobrega, S Bermudez i Badia and AS Faria</i>	online
15.15 15.30	<b>Road crossing behaviors of Pedestrians in two different Virtual Reality Environments</b> <i>Muhammad Ahmad and MS Cameirão</i>	online
15.30 15.45	<b>Increasing Spatial Skills of Young Children with Special Needs Using the OSMO-Tangram Based on Tangible Technology Versus a Tangram Card Game</b> <i>Orly Lahav, A Wolfson, and V Talis</i>	online
15.45 16.15	<b>Coffee break</b>	
Cognitive assessment and rehab <i>Chair: Rita Conde</i>		
16.15 16.30	<b>Normative Data for a Next Generation Virtual Classroom for Attention Assessment in Children with ADHD and Beyond!</b> <i>Albert "Skip" Rizzo, J Chen, J Wang, A Ma, CY Chang, J Turnbull and C Shao</i>	in-person
16.30 16.45	<b>Virtual Environment Grocery Store (VEGS) for assessing memory in persons with epilepsy: A Comparative Study on the Predictive Ability of the Support Vector Machine</b> <i>Timothy McMahan, T Duffield and T Parsons</i>	online
16.45 17.00	<b>Virtual Reality Travel Training - A reboot</b> <i>J Lewis, S Crosby and David Brown</i>	online
17.00 17.15	<b>Assessing the Usability of Current Generation Virtual Reality in Adults with Intellectual Disabilities</b> <i>Matthew Harris, J Lewis, D Brown and P Vyas</i>	online
17.15 17.30	<b>Safety profile of an immersive virtual memory task in healthy older adults and patients with prodromal Alzheimer's Disease</b> <i>S Krohn, S Rekers, H Megges, S-D Freiesleben, J Belger, P Geise, A Scholz, E Quinque, M Blume, J Tromp, F Klotzsche, Paul Chojecki, A Thöne-Otto, M Gaebler, O Peters and C Finke</i>	online
17.30 18.30	<b>KEYNOTE #2</b> <b>If the style is the man himself, how to quantify it?</b> <i>Pierre-Paul Vidal</i>	in-person
18.30 19.30	<b>Steering Committee</b>	
September 10 2021		
VR and psycho-medical applications <i>Chair: Ágata Salvador</i>		
09.30 09.45	<b>Validation of a Virtual Reality Environment for Obsessive-Compulsive Disorder</b> <i>Iveta Fajnerova, A Francová, B Darmová, K Taranzová, E Nosková and P Stopková</i>	in-person
09.45 10.00	<b>SoundSpace VR: preliminary data on a virtual reality task to study spatial navigation</b> <i>L Fialho, Jorge Oliveira, F Luz and P Gamito</i>	in-person

10.00	<b>Assessment of spatial navigation in multiple sclerosis and anti-NMDA receptor encephalitis using virtual environments</b>	online
10.15	<i>Sophia Rekers, G Cooper, J Heine, S Krohn, HPrüss, F Paul and C Finke</i>	
10.15	<b>Moving from VR into AR using Bio-cybernetic Loops and Physiological Sensory Devices for Intervention on Anxiety Disorders</b>	online
10.30	<i>Preyesse Arquissandás, D Lamas and J Oliveira</i>	
10.30	<b>Dimensionality of Realism Across Media Literature</b>	online
10.45	<i>Lauren Christophers and B Rooney</i>	
10.45	<b>Poster session*</b>	
11.45	<b>Phil Lopes</b>	
11.45	<b>Coffee break</b>	
12.15	<b>(Working towards) Probably the best (re)habilitation complex in the world</b>	in-person
13.15	<i>Tony Brooks</i>	
13.15	<b>Prize session</b>	
13.45		
14.00	<b>Closing remarks</b>	

<b>*Poster session</b>		
	<b>Emotional Carousel: A Novel System for Emotional Regulation</b>	
	<i>Iveta Bruno Patrão, G Assunção, P Menezes, N Gonçalves, P Castilho</i>	
	<b>Virtual Reality-based Visual Training for Vestibular Rehabilitation</b>	
	<i>Bruno Ferreira, E Pereira, P Menezes</i>	
	<b>Virtual museum to promote accessibility to art and cultural heritage: quantitative study on user experience within a virtual reality task</b>	
	<i>Filipe Luz, J Oliveira and V Flores</i>	
	<b>Flies - a serious virtual game for cognitive assessment and rehabilitation</b>	
	<i>Iveta Fajnerová, J Hurych, A Plechatá, F Vorel and J Wild</i>	
	<b>Visuomotor adaptation in HMD-VR increases cognitive load</b>	
	<i>Julia Juliano and S-L Liew</i>	
	<b>Ghostly: An EMG controlled serious game</b>	
	<i>K Kostkova, Lubos Omelina, E Swinnen, M Degelaen, B Jansen</i>	
	<b>Simulating Lens Distortion in Virtual Reality</b>	
	<i>Niklas Stein, K Rifai, S Wahl and M Lappe</i>	
	<b>Developing a 360° video-based Virtual Reality: an explorative and a user experience studies to generate a sexual harassment scenario</b>	
	<i>Sara Ventura, G Cardenas, G Riva, R Baños</i>	
	<b>Effects of Personalized Games on Balance in Children with Cerebral Palsy</b>	
	<i>O Kachmar, Anna Kushnir, K Helland, B Fedchyshyn and I Ablikova</i>	
	<b>Virtual Dark Room for Exposure to Intrusive Thoughts</b>	
	<i>Anna Francova, P Stopkova, B Darmova, J Kosova, I Fajnerova</i>	
	<b>An Integrative Review of Rehabilitation Training based on Virtual Reality for Children with Cerebral Palsy</b>	
	<i>S Park, Seul Gi Kim, K Lee, G Lee, J Jung, S Oh, I Cho, S On, H Kim and H Kweon</i>	

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**Walking with immersive virtual reality: the effect of optic flow speed on spatiotemporal gait parameters in people post-stroke**

*Emma De Keersmaecker, B Serrien, D Cianca, N Lefeber, L Cuypers, E Kerckhofs, C Rodriguez-Guerrero, B Jansen and E Swinnen*

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