	September 8 2021	
14.00	·	
14.30	Conference opens	
14.30	Opening session	
15.00	Tomé Pires, David Brown, Sebastian Koenig and Pedro Gamito	
	KEYNOTE #1	
15.00	The Evolution of Virtual Humans in Clinical Virtual Reality and	in-
16.00	Beyond!	person
	Skip Rizzo	
	Physical/motor rehab studies	
	Chair: Micaela Fonseca	
16.00	Virtual Reality and Rehabilitation: Review of Reviews	online
16.15	Dido Green, N Keijsers and P Aarts	
	Evaluation of a virtual reality tandem-bike exergame for	in-
16.15	rehabilitatoin	person
16.30	Emil Hoeg, J Bruun-Pedersen, S Cheary, L Andersen, R Paisa, S Serafin,	
	B Lange	
16.30	Augmented Reality and Real-Time Feedback for Physical Therapy	in-
16.45	Linda Lancere and I Kugaudo	person
16.45	Coffee break	
17.15	Collee bleak	
	Promoting physical activity using pervasive social games: case	
17.15	studies with elderly people in Brazil and Japan	
17.30	Luciano Santos, K Okamoto, SS Funghetto, AS Cavalli, R Otsuki, S	online
17.50	Hiragi, G Yamamoto, O Sugiyama, CD Castanho , T Aoyama and T	
	Kuroda	
17.30	Feasibility of Assessing Balance via a Virtual Reality Bus Ride	online
17.45	A Gonçalves, M Montoya, R Llorens and Sergi Bermúdez i Badia	
	The design of a fully immersive virtual reality game for upper limb	
17.45	rehabilitation post-stroke using mirror therapy	online
18.00	Senai Leniston-Kahsai, E Ramírez, B Robinson, N Signal and B Mallettdia	
	Natural locomotion for patients in VR-based supermarket tasks	
18.00	Paul Chojecki, D Runde, D Przewozny, M Lafci, M Gaebler, J Tromp, S	
18.15	Krohn, F Klotzsche, M Kovalenko, J Belger, A Thöne-Otto, C Finke, O	online
	Schreer and P Eisert	
	September 9 2021	
	Cognitive assessment and rehab	
	Chair: Teresa Souto	
	Cognitive stimulation using virtual reality on activities of daily living	
00.20	in people with mild to moderate dementia due to Alzheimer's	
09.30	disease	in-
09.45	J Oliveira, Rita Conde, T Souto, M Ferreira, T Corotnean, S Cardoso, A	person
	Andrade, T Neto, A Fernandes and P Gamito	
00.45	Research in serious games for people with intellectual disability: a	
09.45	meta-analysis study	online
10.00	Carla Sousa	
10.00	EEG analysis pipeline optimized to detect therapeutically relevant	
10.00 10.15	brain states in real time for clinical rehabilitation applications	online
11111		

10.15 10.30	Size and behaviour of virtual objects may be important for cognitive and motor rehabilitation: preliminary results Imre Cikajlo, K Grabljevec, T Klun, P Rogelj, G Vucko, D Zajc, A Hukic, K Susnik, M Vidmar and A Pertot	online
	Synthetic agents	
	Chair: Filipe Luz	
10.20	Synthetic agents: relaxing agents?	in-
10.30	P Gamito, Teresa Souto, J Oliveira, A Conde, MJ Ferreira, J Alves de	person
10.45	Sousa, Teixeira, M Ferreira, F Dias, S Atul, R Pereira and E Távora	
10.45	Putting into a female body: the feasibility of 360° video-based virtual	in-
10.45	reality to induce the body swap illusion	person
11.00	Sara Ventura, G Cardenas, M Miragall, G Riva and R Baños	
11.00	Interviewing a Virtual Patient: Exploring patterns in clinical	in-
11.00	interviewing of psychologists	person
11.15	Shivani Mansuklal, P Gamito and T Souto	
44.45	Construction and effect of relationships with agents in a virtual	online
11.15	reality	
11.30	Mauro Bianchi, T Abril and J Oliveira	
11.30 12.00	Coffee break	
	VR and psycho-medical applications	
	Chair: Jorge Oliveira	
	Tele-guidance based Remote Navigation Assistance System for	
12.00	Visually Impaired and Blind People – Development and User	
12.15	Experience Study	online
12.13	•	
	Babar Chaudary, S Pohjolainen, S Azziz, L Arhippainen and P Pulli Using Virtual Reality Applications for Management of Chronic Cancer	
12.15	Pain: User perceptions and preferences	online
12.30	Gordon Tao, B Garrett, T Taverner, E Cordingley and C Sun	Offilite
	An intelligent virtual environment for treating anxiety exploring the	
12.30	Eye Movement Desensitization and Reprocessing technique	online
12.45	B Cons, FM de Oliveira, V Werneck and Rosa Maria Costa	Omme
	Using virtual reality to improve classroom engagement in people	
12.45	with Down Syndrome	online
13.00	Stefan Michalski, A Szpak, C Ellison, R Cornish and T Loetscher	Omme
	From Lab to Rehab: Is virtual reality being adopted clinically for	
13.00	children?	online
13.15	William Farr, S Glegg, I Male and D Green	Offilitie
13.15	winidin Furr, 5 diegg, Finale und D dieen	
14.45	Lunch	
14.45	Cognitive assessment and rehab	
	•	
	Chair: Rita Farias	
4445	Effect of Immersive Visualization Technologies on Cognitive Load,	_
14.45	Motivation, Usability, and Embodiment	in-
15.00	Nicolas Wenk, J Penalver-Andres, K A Buetler, T Nef , R M Müri and L	person
	Marchal-Crespo	
	Characterizing the Use of Interactive Technologies for Cognitive	
15.00	Rehabilitation in Portuguese Healthcare Institutions: Preliminary	online
15.15	Results	
15.15	Teresa Paulino and MS Cameirão	

	Efficacy of adaptive cognitive training through desktop virtual reality	
15.15	and paper-and-pencil in the treatment of mental and behavioral	online
15.30	disorders	Omm
	Joana Camara, J Nobrega, S Bermundez i Badia and AS Faria	
15.30	Road crossing behaviors of Pedestrians in two different Virtual	
	Reality Environments	onlin
15.45	Muhammad Ahmad and MS Cameirão	
	Increasing Spatial Skills of Young Children with Special Needs Using	
15.45	the OSMO-Tangram Based on Tangible Technology Versus a	مالام
16.00	Tangram Card Game	onlin
	Orly Lahav, A Wolfson, and V Talis	
	Normative Data for a Next Generation Virtual Classroom for	
16.00	Attention Assessment in Children with ADHD and Beyond!	in-
16.15	Albert "Skip" Rizzo, J Chen, J Wang, A Ma, CY Chang, J Turnbull and C	perso
	Shao	
16.15		
16.45	Coffee break	
	Cognitive assessment and rehab	
	Chair: Rita Conde	
	Virtual Environment Grocery Store (VEGS) for assessing memory in	
16.45	persons with epilepsy: A Comparative Study on the Predictive Ability	
17.00	of the Support Vector Machine	onlin
27.00	Timothy Mcmahan, T Duffield and T Parsons	
	Assessing the Usability of Current Generation Virtual Reality in	
17.00	Adults with Intellectual Disabilities	onlin
17.15	Matthew Harris, J Lewis, D Brown and P Vyas	011111
	Clinical feasibility of the immersive Virtual Memory Task in patients	
	with prodromal Alzheimer's Disease	
17.15	Stephan Krohn, S Rekers, H Megges, S-D Freiesleben, J Belger, EM	onlin
17.30	Quinque, M Blume, J Tromp, F Klotzsche, L Kämmer, S Kray-Niemczyk,	Omm
	P Chojecki, A Thöne-Otto, M Gaebler, O Peters, C Finke	
	Systematic Literature Review: Technology-Based Interventions for	
17.30	Social Functioning Rehabilitation in Individuals with ABI	onlin
17.45	Laura-Jane Douch, M Keijsers and S Hoermann	OHIIII
	KEYNOTE #2	
17.45	If the style is the man himself, how to quantify it?	onlin
18.45	Pierre-Paul Vidal	Offiliti
18.45	riene-raarviaar	
19.45	Steering Committee	
131.13	September 10 2021	
_	VR and psycho-medical applications	
	Chair: Ágata Salvador	
	Validation of a Virtual Reality Environment for Obsessive—	
09.30	Compulsive Disorder	in-
09.45	Iveta Fajnerova, A Francová, B Darmová, K Taranzová, E Nosková and	perso
09.43	P Stopková	perse
	Soundspace VR: preliminary data on a virtual reality task to study	
09.45		in-
10.00	spatial navigation	perso
	L Fialho, Jorge Oliveira, F Luz and P Gamito	
10.00	Accordment of coatial povigation is resulting a clause and and	
10.00 10.15	Assessment of spatial navigation in multiple sclerosis and anti- NMDA receptor encephalitis using virtual environments	onlin

	Sophia Rekers, G Cooper, J Heine, S Krohn, HPrüss, F Paul and C Finke	
10.15	Moving from VR into AR using Bio-cybernetic Loops and	
10.13	Physiological Sensory Devices for Intervention on Anxiety Disorders	online
10.30	Preyesse Arquissandás, D Lamas and J Oliveira	
10.30	Dimensionality of Realism Across Media Literature	online
10.45	Lauren Christophers and B Rooney	online
10.45	Development of Cooperative Assistive Technology User Experience	
10.45	Evaluation Model for Blind and Visually Impaired People	online
11.00	Sami Pohjolainen, B Chaudary, L Arhippainen and P Pulli	
11.00	Virtual reality online therapy: Development of a multipurpose	:
	application for psychological intervention	in-
11.15	Fábio Dias, P Gamito, T Souto	person
11.15	Poster session*	
12.00	Phil Lopes	
12.00	Coffee break	
12.30	Conee break	
	KEYNOTE #3	
12.30	(Working towards) Probably the best (re)habilitation complex in the	in-
13.30	world	person
	Tony Brooks	
13.30	Prize session	
14.00	David Brown	
14.00	Clasina variante	
14.15	Closing remarks	
14.15	Light lunch	
	Light linch	

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

 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
An Integrative Review of Rehabilitation Training based on Virtual Reality
for Children with Cerebral Palsy
S Park, Seul Gi Kim, K Lee, G Lee, J Jung, S Oh, I Cho, S On, H Kim and H
Kweon
neomento-Modern Virtual Reality System for Psychotherapy
A Streck, Philipp Stepnicka, R Frank, J Klaubert and T Wolbers
MobVIP: An Assistive Technology to Improve Mobility of Visually
Impaired
A Karkouti, Elahe-Kani Zabihi, M Nasralla, Drishty Sobnath and Ikram Ur
Rehman