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VICTOR ADRIEL DE JESUS OLIVEIRA

Researcher at the Institute of Creative Media Technologies at St. Pölten University of Applied Sciences. Degree in Computer Science from the Universidade Estadual de Santa Cruz (2012). Masters in Computer Science from the Universidade Federal do Rio Grande do Sul (2014). Ph.D. in Computer Science at the Universidade Federal do Rio Grande do Sul (2018). Interested in the field of Human-Computer Interaction, with work done on UX Design, Haptic Communication, and Accessibility for Web interfaces. Has experience developing Web systems, and performed several user studies to investigate the use of vibrotactile stimuli as channel for communication in physical and virtual/augmented environments.

Member of the EuroHaptics Society (EHS), of the Technical Committee on Haptics (TCH), of the Institute of Electrical and Electronics Engineers (IEEE), of the Association for Computing Machinery (ACM), and of the Sociedade Brasileira de Computação (SBC). ORCID: <http://orcid.org/0000-0002-8477-0453>.

EDUCATION

PH.D. IN COMPUTER SCIENCE

2014 – 2018

Universidade Federal do Rio Grande do Sul, UFRGS, Porto Alegre, Brazil

Thesis: Haptic Interfaces and Their Application on Computer-Mediated Tactile Communication

Adviser: Anderson Maciel / Co-adviser: Luciana Nedel

MASTER'S IN COMPUTER SCIENCE

2012 – 2014

Universidade Federal do Rio Grande do Sul, UFRGS, Porto Alegre, Brazil

Dissertation: Designing Tactile Vocabularies for Human-Computer Interaction

Adviser: Anderson Maciel

BACHELOR'S IN COMPUTER SCIENCE

2008 – 2012

Universidade Estadual de Santa Cruz, UESC, Ilhéus, Brazil

AREAS OF EXPERTISE

HUMAN-COMPUTER INTERACTION

Design, Prototyping, User Studies

HAPTICS

Vibrotactile Feedback, Psychophysics

VIRTUAL REALITY

Multisensory Interaction, Navigation

WEB DEVELOPMENT

Accessibility, Usability, Programming

PROFESSIONAL EXPERIENCE	<p>ST. PÖLTEN UNIVERSITY OF APPLIED SCIENCES 2018 – now Position: Researcher (Full-time)</p> <p>ISTITUTO ITALIANO DI TECNOLOGIA – IIT GENOVA 2015 – 2016 Position: Fellow Ph.D. (Full-time)</p> <p>UNIVERSIDADE ESTADUAL DE SANTA CRUZ – UESC 2011 – 2012 Position: LIBRAS Interpreter at the CS Graduate Program (Full-time)</p> <p>JUNIOR ENTERPRISE OF COMPUTER SCIENCE - TECNOJR 2009 – 2010 Position: Manager (Administrative and Financial) (Part-time) 2008 – 2012 Position: Member (Part-time)</p>
LANGUAGES	<p>PORTUGUESE (Native); ENGLISH (C1); ITALIAN (B1); GERMAN (A1) *Level: A1/2 Basic Level - B1/2 Intermediate Level - C1/2 Advanced Level</p>
SELECTED PUBLICATIONS	<p>OLIVEIRA, V. A. J., NEDEL, L., MACIEL, A., ASSESSMENT OF AN ARTICULATORY INTERFACE FOR TACTILE INTERCOMMUNICATION IN IMMERSIVE VIRTUAL ENVIRONMENTS, Computer & Graphics (Vol 76), 2018</p> <p>OLIVEIRA, V. A. J., NEDEL, L., MACIEL, A., ASSESSING ARTICULATORY MODALITIES FOR INTERCOMMUNICATION USING VIBROTACTILE HMDS, EUROHAPTICS Conference, 2018</p> <p>OLIVEIRA, V. A. J., NEDEL, L., MACIEL, A., BRAYDA, L., ANTI-VEERING VIBROTACTILE HMD FOR ASSISTANCE OF BLIND PEDESTRIANS, EUROHAPTICS Conference, 2018</p> <p>OLIVEIRA, V. A. J., BRAYDA, L., NEDEL, L., MACIEL, A., DESIGNING A VIBROTACTILE HEAD-MOUNTED DISPLAY FOR SPATIAL AWARENESS IN 3D SPACES, IEEE Transactions on Visualization and Computer Graphics, 2017.</p> <p>OLIVEIRA, V. A. J., NEDEL, L., MACIEL, A., BRAYDA, L., LOCALIZED MAGNIFICATION IN VIBROTACTILE HMDS FOR ACCURATE SPATIAL AWARENESS, EUROHAPTICS Conference, 2016.</p> <p>OLIVEIRA, V. A. J., NEDEL, L., MACIEL, A., BRAYDA, L., SPATIAL DISCRIMINATION OF VIBROTACTILE STIMULI AROUND THE HEAD, HAPTICS Symposium, 2016..</p> <p>OLIVEIRA, V. A. J., MARQUES, E. H., MACIEL, A., PERONI, R. L., TACTILE INTERFACE FOR NAVIGATION IN UNDERGROUND MINES, SVR, 2014.</p>
AWARDS	<p>Best Paper award for <i>Assessment of an Articulatory Interface for Tactile Intercommunication in Immersive Virtual Environments</i>, at SVR 2018</p> <p>Best Application Paper for <i>Tactile Interface for Navigation in Underground Mines</i>, at SVR, 2014.</p> <p>Finalist on the <i>XXVIII Concurso de Teses e Dissertações (CTD)</i>, at CSBC, 2015.</p>