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VICTOR ADRIEL DE JESUS OLIVEIRA

Jr. 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, conducted activities as an interpreter of Brazilian Sign Language (LIBRAS), 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

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

Thesis: 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**

ST. PÖLTEN UNIVERSITY OF APPLIED SCIENCES

2018 – now

Position: Jr. Researcher

Working hours (weekly): 40h - Full-time

ISTITUTO ITALIANO DI TECNOLOGIA – IIT GENOVA

2015 – 2016

Position: Fellow Ph.D.

Working hours (weekly): 40h - Full-time

UNIVERSIDADE ESTADUAL DE SANTA CRUZ – UESC

2011 – 2012

Position: LIBRAS Interpreter at the CS Graduate Program.

Working hours (weekly): 40h - Full-time

JUNIOR ENTERPRISE OF COMPUTER SCIENCE - TECNOJR

2009 – 2010

Position: Manager (Administrative and Financial)

2008 – 2012

Position: Member

Working hours (weekly): 20h - Part-time

LANGUAGES

PORTUGUESE (Native); ENGLISH (Good); ITALIAN (Good)

**SELECTED
PUBLICATIONS**

OLIVEIRA, V. A. J., NEDEL, L., MACIEL, A., [ASSESSING ARTICULATORY MODALITIES FOR INTERCOMMUNICATION USING VIBROTACTILE HMDS](#), EUROHAPTICS Conference, 2018

OLIVEIRA, V. A. J., NEDEL, L., MACIEL, A., BRAYDA, L., [ANTI-VEERING VIBROTACTILE HMD FOR ASSISTANCE OF BLIND PEDESTRIANS](#), EUROHAPTICS Conference, 2018

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.

OLIVEIRA, V. A. J., NEDEL, L., MACIEL, A., BRAYDA, L., [LOCALIZED MAGNIFICATION IN VIBROTACTILE HMDS FOR ACCURATE SPATIAL AWARENESS](#), EUROHAPTICS Conference, 2016.

OLIVEIRA, V. A. J., NEDEL, L., MACIEL, A., BRAYDA, L., [SPATIAL DISCRIMINATION OF VIBROTACTILE STIMULI AROUND THE HEAD](#), HAPTICS Symposium, 2016..

OLIVEIRA, V. A. J., MARQUES, E. H., MACIEL, A., PERONI, R. L., [TACTILE INTERFACE FOR NAVIGATION IN UNDERGROUND MINES](#), SVR, 2014.

AWARDS

Ph.D. in Computer Science with distinction ("*Cum Laude Distinction*"), 2018

Best Application Paper for *Tactile Interface for Navigation in Underground Mines*, at SVR, 2014.

Finalist on the *XXVIII Concurso de Teses e Dissertações (CTD)*, at CSBC, 2015.