

Assistive interfaces for arts: From diffusion to inclusion

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In this presentation we introduce the activities carried out in our research group GIIP at São Paulo State University (UNESP, Brazil) focusing on the project "Assistive interfaces for arts: From diffusion to inclusion". This project brings together the efforts of several researchers from Brazil and Spain. It aims to create low cost and free access assistive interfaces to teach and make art by using reengineering, customization and open source. We will present an overview and some partial results on four prototypes that we developed, such as Kit Facilita, Artia.V, Artia.C, and TECLAUT. The creation process of these prototypes is mainly inspired by the case studies of Samara Andresa Del Monte (journalist) and Dr. Ana Amália Tavares Bastos Barbosa, as well as her teaching method in art education. Dr. Barbosa is artist, art educator and postdoctoral researcher at GIIP, she became the first quadriplegic to obtain a doctorate degree in Brazil.

Bios:

Hosana Celeste Oliveira is an artist and researcher in the field of art, science and technology. She got a bachelor degree in Fine Arts and master in Multimedia, both at UNICAMP (Brazil). Currently, she is PhD candidate in Arts at UNESP, funded by Capes (Ministry of Education of Brazil). She accomplished one year of her doctoral studies at the Media Lab - School of Arts, Design and Architecture of Aalto University (Finland, 2015-2016). She was visiting researcher at KISD (2007-2008), funded by DAAD-STIBET, and at KHM (2009-2010), both in Cologne, Germany. Also, she collaborated with En-Fer Atelier (The Netherlands, 2005-2007) developing web and graphic design projects. Her research agenda is built around neuroscientific approaches on perception, emotion, biofeedback interfaces, and embodied cognition.

Rosangella Leote is a multimedia artist and researcher. Ph.D. in Communication Sciences at USP (Brazil), Master of Arts at UNICAMP and Bachelor in Arts at UFRGS (Brazil). Professor at UNESP (São Paulo, Brazil), teaching for doctorate, master, specialization and under-graduation. Member of several editorial, scientific and annual proceedings boards from Portugal, Spain, and Brazil. Evaluator of the state and federal research funding agencies of the Brazilian government. Her research is about multisensoriality and multimodality based on neuroscience theories, also including handicap technologies for arts. She supervised over 120 concluding works on all academic levels. She coordinated the post-graduation program on Arts at UNESP from 2013-2017.