


Title and brief description	Keen-skin, an installation based on haptic sensation and neurological data
Type:	Q – digital or visual media
Year of publication:	2015
Number of additional authors:	0
Additional Information:	<p>Originality</p> <p>Humans haptic interaction relates to all aspects of touch and body movement but also to the application of human senses to the digital interactive language. This involves not only sensation and perception, but also emotional response. Interpersonal touch is an undervalued aspect of human nature; the proposed installation aims to create an environment where the most profound communication channel for humans takes a renewed meaningful role. The work is based on the assumption that is touch that give our sense of being in the reality; the whole conception of what exists outside us is based on the sense of touch.</p> <p>Rigor</p> <p>The project extends research undertaken into neuroscience applied to dynamic soundscape creations. The virtual environment was created through sounds generated by the electroencephalography data gathered during the user interaction. The original software is programmed used Max/MSP over OSC-router and the sound will be spatialized through a quadraphonic sound diffusion system.</p> <p>Significance</p> <p>The author of this installation exhibited this work in academic contexts where installations where open to a wider public: DHRA Digital Research in the Humanities and Arts (Dublin 2015), Strategies for Brainwave Interpretation in the Arts (Bournemouth 2015).</p>
Interdisciplinary:	Y

Keen skin – Portfolio (documents, dissemination, impact)



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Keen Skin, an installation based on haptic sensations.

Anna Troisi

"Keen-skin" is an installation based on haptic sensations by combined tactile and kinesthetic feedback measured through electroencephalography. Streamed data create a sound experience generated by real emotions of involved users. Keen-Skin consists in an immersive interactive installation that intends to create an augmented reality of human tactile senses.

Humans haptic interaction relates to all aspects of touch and body movement but also to the application of human senses to the digital interactive language. This involves not only sensation and perception, but also emotional response. French novelist Michel Houellebecq (1998) envisioned a future in which all contact between people is mediated by technology. This installation aims rather to demonstrate that technology can help to explore the tactile dimension of social life and emotions that can derive from a social contact. An installation where the space-time perception is decompressed and tactile senses are augmented by a virtual sound experience can represent a challenging laboratory space where people can re-configure their sense of selves and their social relations through a digital media installation.





Note of the author: This project is a multidisciplinary project where the major aim is to integrate neuroscience, technology and human behaviour in order to create awareness of the possibility to use technology with the aim of rebuilt a social interaction. The installation is based on sonification of brain data and no data will be recorded or mapped to recognise the real emotion of each person involved. The interconnection of use of data, biological natural system and human response to physical interaction will be topic of the next research paper of the author who is available to give a talk on the topic if the installation will be accepted.

Category

Installation


if-notNow, if-then-when-else

Alina Kruth

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Abstracts of DRHA Dublin 2015

Published on Aug 30, 2015

 **ChristopherPressler**

FOLLOW

Troisi A., "keen-skin, an installation based on haptic sensation and neurologic data", DHRA Digital Research in the Humanities and Arts, Dublin City University 2015.



Troisi A, "keen-skin, an installation based on haptic sensation and neurologic data" to the Transmission Symposium <http://transmission-symposium.org/>, Strategies for Brainwave Interpretation in the Arts (22nd of April 2015 Bournemouth University, Executive Business Centre).

Transmission Symposium

on Brainwave Visualisation and Sonification Art

Following on from the success of the first Transmission Symposium, we are pleased to announce the programme for our second event.

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22 April 2015
Executive Business Centre Bournemouth
10:30-5:30

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Speakers

Dr Hannah Critchlow
Prof. Nillie Lavie
Dr Gustav Kuhn

Artists

Analema Group
Anna Troisi
Luciana Hall
Szymon Kaliski
Rain Ashcroft
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04 Transmission Symposium: 4 February 2015

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