P02-214 - **SENSPONDING ASSEMBLIES AS A TOOL TO STIMULATE THE SENSES AND AFFECT THE EMOTIONS OF AN INDIVIDUAL**

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Objectives: Our project describes a methodology for creating personalized spatial elements within people´s immediate surrounding environment that are able to ´sense´ the hormonal and thus the emotional changes of a human organism and ´respond´ in such a way so as to help the individual to either overcome ´negative´ emotions and feel comfortable or to express ´positive´ emotions and become more sociable.

Methods: The first path of the methodology examines the ways in which one can pinpoint the chemical imprint of feelings in terms of calculating the quantity of mood-affecting hormones in the blood. The second path employs micro sensponding (sense-and-respond) assemblies that monitor bio-indicators and control an exogenous spatial system that will respond accordingly to help the brain react. The third path examines the symbolisms of aesthetics and the social implications of this project.

Results: The exogenous spatial system can either be portable and have direct contact with the body, like a piece of smart fabric formed in a type of suit or it can be placed within the immediate living environment, like a type of meditation room. In both ways, the spatial system has a plethora of reactions to work towards the emergence of desired emotional states, all resulting by affecting one or a combination of the human senses (sound therapy, color therapy, aromatherapy and so on).

Conclusions: Space is no longer conceived as a static protecting element but it is augmenting its use through technology to affect human emotions.

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