



CICLO

CONFERÊNCIAS 19|20

ISPA - INSTITUTO UNIVERSITÁRIO

INTEGRATING COGNITIVE NEUROSCIENCE AND MIXED REALITY TECHNOLOGY FOR HUMAN CHARACTERIZATION



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In the last two years, technological tools known as Mixed Reality Interfaces (MRI) have appeared on the market, which not only allow user interaction with a virtual environment, but also allow the physical objects of the user's immediate real environment to serve as elements of interaction with the virtual environment. That is, MRIs are perfect tools to introduce into our reality new virtual elements (objects and virtual humans) that will generate a new reality in our brain. Today, MRIs are the most technologically advanced tools that human beings have used to date to improve their reality and generate artificial realities that improve the reality they live. In the last year, there is an unusual interest in MRI in the ICT industry. That means that MRI will be a revolution in human communication mediated by new technologies, as in the moment was the irruption of the mobile phone. To date, only a very basic aspect of MRIs is being investigated, its ability to simulate our current reality. However, the above question calls for a paradigm shift in current MRI research. It is necessary to advance towards this new paradigm by proposing a basic research scheme that will allow to analyze the influence of individual personnel variables and MRI interaction aspects will have on basic aspects of human behavior. In this talk, we present several examples of how MRI can be used for human behavior tracking and modification, we describe different research projects results and we conclude with a discussion of potential future implications. A special focus will be made in how neuroscience provide guidance for the development of psychological conceptualizations of mental illness and treatment that go beyond a reductionistic biological etiology.

21 OUTUBRO 2019

12H30 | AUDITÓRIO 1

ENTRADA LIVRE

HOST
GÜN
SEMIN



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