



IMSE-CNM



Stereovision in man, monkey and machine

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Stereoscopic vision has emerged in various species of the animal kingdom and supports 3D perception. In this talk, I will show how computational neuroscience and neuroimaging in both human and macaque allows to better understand the processing of stereoscopic information in the primate brain.

BENOIT COTTREAU is a CNRS tenured researcher in the Cerco laboratory (CNRS UMR 5549, Toulouse, France). He was originally trained as an electrical engineer (2004) and completed a PhD in signal processing (2008) whose aim was to model the responses of the human visual system from multimodal neuroimaging data (i.e. MRI, fMRI, EEG and MEG). He spent three years as a post-doctoral fellow in Stanford University where he worked on spatial vision and in particular on depth perception with studies that grouped computational modeling and cerebral recordings. Benoit joined the ECO-3D team of Cerco in 2012 and he currently leads a multi-disciplinary research program on stereovision in man, monkey and machine.

Instituto de Microelectrónica de Sevilla IMSE-CNM
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