

## **Seminar IRH-ICUB**

### **Consciousness and Cognition: An Interdisciplinary Approach**

<https://irhunibuc.wordpress.com/2016/04/05/new-seminar-consciousness-in-philosophy-and-neuroscience/>

**convenor Dr. Diana Stanciu**

<https://irhunibuc.wordpress.com/associated-members/>

**Date: Tuesday, 19 February 2019, 17h**

**Place: IRH-ICUB (1 D. Brandza Str.), conference room**

## **Dr. Liviu Badea**

**Head of Artificial Intelligence and Bioinformatics Group**

**National Institute for Research and Development in Informatics**

**Dr. Liviu Badea** is a senior researcher I in computer science and heads the Artificial Intelligence and Bioinformatics group of the National Institute for Research and Development in Informatics (ICI). His main areas of research include machine learning, bioinformatics (cancer genomics) and neuroinformatics (resting state fMRI data analysis, functional connectomics).

### ***Recent progress in localizing the perception of free will***

Free will has been the subject of intense philosophical debate for millenia. From a modern scientific viewpoint, whether consciousness plays a true causal role for action is still a very difficult problem, mainly due to the rather elusive present understanding of consciousness itself. However, the *perception* of free will is much easier to investigate using neuroscience methods. Patients with certain brain lesions lack either the desire to act (volition) or the sense of responsibility of one's actions (agency). Surprisingly, lesions in widely different brain locations produce similar symptoms, requiring a network-based approach. We review some recent progress in the attempts at localizing free will at the level of brain networks.