



**DEPARTMENT OF
PSYCHOLOGY**
Illinois State University

The Department of Psychology & CBS Colloquium Series

proudly present

What your moves say about you: Action-perception dynamics and mental health

Benoît G. Bardy

Professor of Health and Movement Science
Euro Mov, Montpellier University

In this presentation, we will emphasize the informational nature of human coordination, together with its consequences for the understanding of how the way we move reveals who we are. The notion of Individual Motor Signature (IMS) will be presented, reducing to one low-dimensional variable the interaction of multiple degrees of freedom at various levels of the human body. A novel way to evaluate how these signatures are influenced, when interacting in a dyad or in a group, by physical and movement similarity, social competences and mental deficits, will be introduced. We will present a recently developed digital architecture that modulates IMS in real-time during social interaction with artificial agents (avatars and robots), and we will show how this architecture can be used for the rehabilitation of patients suffering from mental and social disorders.



**Monday,
Sept. 18, 2017
2:00 p.m.**

255 McCormick Hall

*Sponsored by the
Department of Psychology,
School of Kinesiology and
Recreation, and the
College of Arts & Sciences*

If you need a special accommodation to participate in this program, please contact the Psychology Department at (309) 438-8651. Please allow sufficient time to arrange the accommodation.