

Workshop on Morphologies, Motion and Cognition

Inman Harvey

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Evolutionary and Adaptive Systems Group

University of Sussex

Keynote invited lecture

Title:

Cognition in the Round

Abstract:

An organism, real or artificial, can be described in the language of mechanisms and physics; it can also be described in the language of perceptions, intentions, needs and dangers. What is the relationship between the form and dynamics of its physics, and the form and dynamics of its cognitive world?

This will be a circular talk with no beginning or end, via ideas of homeostasis, of passive dynamic walking, of entropy production and the proper roles of homunculi.