

From my self to other selves. A framework for identifying one self and differentiating oneself from another self

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Action stands at the transition between the process which caused that action to appear and the changes that its occurrence will produce. Among these changes are those that affect the agent himself. Action execution is the ultimate test of whether the represented anticipation of its goal was adequate or not. This information arising from the interaction with the environment, if congruent with the anticipation, will stabilize the representation and set its parameters for more and more successful interaction. This process results in selecting, possibly among a larger repertoire, those representations which conform best with the available information about the external world. This theoretical framework will be illustrated by experiments showing the role of action in self-recognition and in language understanding.

