

**TUDATOS ÉS IMPLICIT METAKOGNITÍV
FOLYAMATOK A PROBLÉMAMEGOLDÁSBAN**

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The traditional viewpoint of the cognitive approach is that conscious awareness is the underlying condition of metacognitive functioning. We will argue that strategy selection, selection of mental representations are most likely to be carried out by implicit processes based on rapid feeling of knowing. Consequently we will propose an alternative approach to conscious and implicit processes of problem solving based on Baars' Global Workspace theory of consciousness. Finally we will analyze the architectural considerations, the explicative range, and the educational implications of the theory. Our main conclusions are that explicit monitoring can not modify the implicit executive metacognitive functions. The key to the modification of these processes is a structured implicit learning system based on contextual diversification and structured learning contexts.

Keywords: metacognition, problem solving, rapid feeling of knowing, strategy selection, consciousness, implicit processing, implicit learning, Baars' Global Workspace Theory, contextual diversification, structured learning contexts.