On the topic of "The brain as a model of the world"

ELSC cordially invite you
to the lecture given by:

Oron Shagrir
Faculty of Humanities, Departments of Philosophy and Cognitive Science,
The Hebrew University of Jerusalem

On the topic of
"The brain as a model of the world"

The lecture will be held on Thursday, May 28, 2015
at 17:00, at ELSC: Silverman Bldg., 3rd Wing, 6th Floor, Edmond J. Safra Campus

Light refreshments at 16:45

Abstract:

My aim is to show that an underlying assumption in computational approaches in cognitive and brain sciences is that the brain is a model of the world. It is a model in the sense that it mirrors certain relations in the surrounding environment, or, in other words, that the brain is isomorphic to the world. I will give here three examples. One is from David Marr's computational-level theory of edge-detection. The second one is the computational work on the oculomotor system. And the third one is a Bayesian model of causal reasoning.
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