

# EILON VAADIA

**CV**

SPEAKER AT:

## HOW MIND EMERGES FROM BRAIN: A VIEW INTO THE FUTURE

**July, 12<sup>th</sup>-13<sup>th</sup>, 2012, Barcelona****Eilon Vaadia**, Ph.D., [Hebrew University of Jerusalem](http://www.huji.ac.il/), Jerusalem, Israel

Professor Eilon Vaadia is the Director of the Edmond and Lily Safra Center for Brain Science (ELSC) at the Hebrew University of Jerusalem. He was trained as a postdoctoral student at the department of biomedical engineering of Johns Hopkins University, in the USA, and joined the faculty of the Hebrew University in 1983. He was among the founders of the University's Interdisciplinary Center for Neural Computation (ICNC) in 1982. And headed the ICNC Ph.D. program for eight years. He was the Chairman of the Department of Physiology, a member of the Hebrew University senate and a member of the HUJI executive committee. He was selected as the Jack H. Skirball Chair in Brain Research in 2005 and since 2009 he is the director of the Edmond and Lily Safra Center for Brain Sciences. His research aims at understanding of the brain computation involved in sensorimotor learning. In recent years his team studies adaptive computer "brain machine interfaces" that can "read" the brain intention from the electrical signal of the brain cells, modify the signals when the brain malfunctions, and control artificial devices by the brain signals. This work is mainly motivated by the deep conviction that only true understanding of the mechanisms of the brain will lead humanity to find clever, innovative solutions to cure brain injuries, neuro-degeneration, and psychiatric for the young and old.

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