

Information & the Cognitive Sciences Workshop

Monday 29th June 2015

The Hebrew University of Jerusalem, Giv'at Ram Campus
Belgium House, Library

09:15-09:30

Welcome Notes

09:30-10:30

Keynote Lecture

Andrea Scarantino, Georgia State University
Probabilistic Information: A Brief History and a New Theory

Chair: Nir Fresco, The Hebrew University of Jerusalem

10:30-11:30

Marius Usher, Tel Aviv University

From Mutual Information and Bayesian decision models to Mental Representations (and Misrepresentation)

Chair: Amir Horowitz, The Open University of Israel

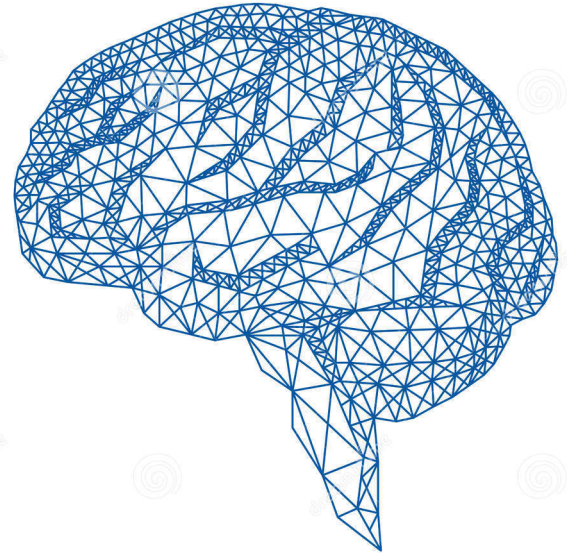
11:30-12:00 - **Coffee Break**

12:00-13:00

Ehud Ahissar, Weizmann Institute of Science
Perception as an organism-environment closed-loop process

Chair: Arnon Levy, The Hebrew University of Jerusalem

13:00-14:00 - **Lunch Break**



14:00-15:00

Nir Fresco, The Hebrew University of Jerusalem

& **Eva Jablonka**, Tel Aviv University
Functional Information and Selection in Learning and Communication.

Chair: Olla Solomyak, The Van Leer Institute

15:00-16:00

Oren Shriki, Ben Gurion University
How Sensory Deprivation and High Plasticity may lead to Hallucinations and Synaesthesia: An information theoretic perspective

Chair: Itzhak Aharon (Gingi), Interdisciplinary Center Herzliya

16:00-16:30 - **Coffee Break**

16:30-17:30

Naftali Tishby, The Hebrew University of Jerusalem

Predictive Information and the Emergence of Cognitive Hierarchies

Chair: Benjamin D. Young, The Hebrew University of Jerusalem

17:30-17:45 - **General Q&A Session & Workshop Conclusion**