Towards mechanistic models of meaning composition
International symposium · October 11-12, 2018
Scandic Nidelven Hotel, Trondheim

Program

Thursday, October 11

8.45-9.00  Welcome and introduction
            Giosuè Baggio

9.00-10.00  Representing symbols in connectionist systems
            Ivan Vankov (New Bulgarian University) & Jeffrey Bowers
            (University of Bristol)

10.00-11.00 Decomposing composition: The role of the left anterior
               temporal lobe within the combinatory network
            Liina Pylkkänen (New York University)

11.00-12.00 Modeling the neural dynamics of structure building during
               naturalistic language comprehension
            Jonathan R. Brennan (University of Michigan)

12.00-13.00 Lunch

13.00-14.00 On the compositional abilities of artificial neural networks
            Marco Baroni (University of Trento & Facebook AI Research Paris)

14.00-15.00 On the sufficiency of operators for compositionality: Where
               tensors fail
            Andrea E. Martin (Max Planck Institute for Psycholinguistics) &
            Leonidas A.A. Doumas (University of Edinburgh)

15.00-15.15 Coffee break

15.15-16.15 Open discussion (chair Andrea E. Martin)

19.00  Dinner
Friday, October 12

9.00-10.00  *The neurocognitive basis of knowledge about objects and their associations: Neural dissociations reflect semantic coherence and control*
Elizabeth Jefferies (University of York)

10.00-11.00  *Temporal Generalization Method and its application to language in context*
Alona Fyshe (University of Alberta)

11.00-12.00  *Neural measures of structure representation: The role of lists*
Ellen Lau (University of Maryland)

12.00-13.00  *Lunch*

13.00-14.00  *Dissociable effects of prediction and integration during language comprehension: Evidence from a large-scale study using brain potentials*
Mante S. Nieuwland (Max Planck Institute for Psycholinguistics & University of Edinburgh) [talk given by Andrea E. Martin]

14.00-15.00  *The acquisition of compositional meaning*
Petra Hendriks (University of Groningen)

15.00-15.15  *Coffee break*

15.15-16.15  *Open discussion* (chair Giosuè Baggio)

Organizing committee
Giosuè Baggio (Norwegian University of Science and Technology)
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