Neural network models of perception, action and embodied knowledge

Department of Psychology, University of Bologna
Summer School, July 13–19, 2005

FINAL PROGRAMME

JULY 13
9:00–9:15 Welcome
P. C. Cicogna, Head of Psychology
9:15–11:00 Neural networks and psychology D. Parisi
11:30–13:00 Stimulus generalization M. Enquist
14:30–18:00 Introduction to neural networks, with models of generalization S. Ghirlanda

JULY 14
9:00–11:00 Associative learning M. Enquist, S. Ghirlanda
11:30–13:00, 14:30–16:00 Neural network models of learning M. Zorzi
16:30–18:00 Neural network analysis A. Di Ferdinando

JULY 15
9:00–11:00 Motor control and spatial effects L. Craighero
11:30–13:00 Principles of grasping M. Santello
14:30–16:00 Models of reinforcement learning in spatial navigation G. Baldassarre
16:30–18:00 Neural network models of grasping G. Tsiotas

JULY 16
9:00–11:00 Spatial behavior and spatial cognition G. Vallortigara
11:30–13:00 Students present their research
14:30–18:00 Free afternoon
20:00 Social dinner

JULY 17
9:00–11:00 Computing with modality-specific simulations L. Barsalou
11:30–13:00 Categorization in humans and other animals I. P. L. McLaren
14:30–16:00 Neural network models of categorization and perception R. Goldstone
16:30–18:00 Neural network models of categorization S. Nolfi

JULY 18
9:00–11:00 What it takes to make a neural network embodied: lessons from language comprehension A. Glenberg
11:30–13:00 Object concepts and action A. Borghi
14:30–16:00 Acting on visual objects R. Ellis
16:30–18:00 Neural network models of sensorimotor processes S. Cutini

JULY 19
9:00–11:00 Language and action M. Gentilucci
11:30–13:00 Neural network models of language and action A. Cangelosi
14:30–16:00 Neural network models of language evolution D. Marocco
16:30–17:45 Neural network models of numerical cognition I. Stoianov
17:45-18:00 Closing address A. Borghi, S. Ghirlanda

Coffee breaks: 11:00–11:30 and 16:00–16:30. Lunch breaks: 13:00–14:30

SPEAKERS

Gianluca Baldassarre Institute for the Science and Technologies of Cognition, CNR, Rome; Larry Barsalou Department of Psychology, Emory University; Anna Borghi Department of Psychology, University of Bologna; Angelo Cangelosi School of Computing, Communications and Technology, University of Plymouth; Laila Craighero Department of Biomedical Sciences, University of Ferrara; Simone Cutini Department of General Psychology, University of Padua; Andrea Di Ferdinando Department of General Psychology, University of Padua; Rob Ellis School of Psychology, University of Plymouth; Magnus Enquist Zoology Institute, Stockholm University; Maurizio Gentilucci Department of Neurosciences, University of Parma; Stefano Ghirlanda Department of Psychology, University of Bologna; Art Glenberg Department of Psychology, University of Wisconsin; Rob Goldstone Department of Psychology, Indiana University; Davide Marocco Institute for the Science and Technologies of Cognition, CNR, Rome; Ian P. L. McLaren Department of Experimental Psychology, Cambridge University; Stefano Nolfi Institute for the Science and Technologies of Cognition, CNR, Rome; Domenico Parisi Institute for the Science and Technologies of Cognition, CNR, Rome; Marco Santello Department of Kinesiology, University of Arizona; Ivilin Stoianov Department of General Psychology, University of Padua; Giorgio Tsiotas Department of Psychology, University of Trieste; Marco Zorzi Department of General Psychology, University of Padua.