

3RD HBP CURRICULUM WORKSHOP SERIES MODERN TRENDS IN COGNITIVE ARCHITECTURES AND SYSTEMS:

FROM THEORY TO IMPLEMENTATION IN NATURAL AND ARTIFICIAL AGENTS

11-13 DECEMBER 2019

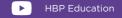
UNIVERSITY OF GLASGOW,
UNITED KINGDOM

SCIENTIFIC PROGRAMME













WORKSHOP INFORMATION

This workshop welcomes all scientists who want to understand and implement cognitive systems. The 3-day event brings together recent developments in neuroscience and computational techniques and provides an overview of the latest advances in understanding how the brain works, computes and generates behaviour.

Scientific Chairs:

Lars Muckli | University of Glasgow Tony Prescott | University of Sheffield

Organisers:

Sylvia Aßlaber | Medical University Innsbruck Judith Kathrein | Medical University Innsbruck Alejandro Jiménez-Rodríguez | University of Sheffield

Contact:

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Further information:

http://bit.ly/HBPCogSys19









WEDNESDAY 11 DECEMBER 2019

Venue: School of Psychology, 62 Hillhead Street, Glasgow

11:00 - 12:00	Exam (not obligatory)
12:00 - 13:00	Registration
13:00 - 13:30	Welcome & introduction Lars Muckli University of Glasgow & Tony Prescott University of Sheffield
13:30 - 14:30	Encoding and decoding models of brain activity Bertrand Thirion Inria Paris
14:30 - 15:30	Modelling the emergence of social behaviour Stuart Wilson University of Sheffield
15:30 - 16:00	Coffee break
16:00 - 17:00	A neurocognitive perspective on human-robot interaction Ruud Hortensius University of Glasgow
17:00 - 18:00	Layered cognitive architectures in animals and robots Tony Prescott University of Sheffield
18:00	Get-together

THURSDAY 12 DECEMBER 2019

Venue: Boyd Orr Building, 120 University Avenue, Glasgow

09:00 - 11:00	Tutorial 1: MiRo Robot Tony Prescott, Alejandro Jiménez-Rodríguez & David Buxton University of Sheffield
11:00 - 11:30	Coffee break
11:30 - 12:30	High-resolution brain imaging for computational mechanisms of prediction Lars Muckli University of Glasgow
12:30 - 13:30	Lunch break
13:30 - 15:30	Tutorial 2: Brain imaging Yulia Lazarova & Lars Muckli University of Glasgow
15:30 - 16:00	Coffee break
16:00 - 17:10	Student presentations
17:10 - 17:20	Venue change Glasgow University Union, 32 University Avenue, Glasgow
17:20 - 18:10	Poster session
18:10	Social evening

FRIDAY 13 DECEMBER 2019

Venue: School of Psychology, 62 Hillhead Street, Glasgow

09:00 - 11:00	Lab visits
11:00 - 11:30	Coffee break
11:30 - 12:30	Building a biologically inspired embodied large-scale architecture of visuo-motor integration predicting human saliency performance Rainer Goebel University of Maastricht
12:30 - 13:30	Lunch break
13:30 - 14:30	Simulating psychological theories of emotion and its impact on behaviour Stacy Marsella University of Glasgow
14:30 - 15:30	Designing social signals for artificial agents using psychological science Rachael Jack University of Glasgow
15:30 - 16:00	Coffee break
16:00 - 17:30	Panel discussion on "Modern trends in cognitive architectures: State of the art and challenges"

NOTES



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humanbrainproject.eu/education