SPANNER Workshop - Self-repairing Hardware Paradigms based on Astrocyte-neuron Models

University of York, Mon 3rd September 2018

Workshop Programme

08:30	Registration & Coffee	**Room P/T005 Exhibition centre**
09:00	Welcome	Room P/T006 (All talks in P/T006).
09:10	Keynote 1	Jennifer Hasler (Georgia Tech): *Physical Computing towards building Large-Scale Brain Computations.*
10:00	Keynote 2	Ana Covelo Fernndez (University of Minnesota): *Functional consequences of neuron-astrocyte communication.*
10:50	Coffee break	Poster viewing
11:10	Keynote 3	Alan Winfield (Bristol Robotics Laboratory): *Experiments in Artificial Theory of Mind.*
12:00	Lunch	
13:00	Keynote 4	David Halliday (University of York): *Self-repairing Hardware Paradigms based on Astrocyte-neuron Models - The SPANNER project.*
13:50	Keynote 5	Simon Davidson (University of Manchester): *SpiNNaker-2.*
14:40	Contributed Talk	Karishma Chhabria (University of Sheffield): *A computational model of the role of nitric oxide in hyperglycemic neurovascular dysfunction.*
15:10	Coffee break	Poster viewing & demonstrations
15:30	Keynote 6	Eleni Vasilaki (University of Sheffield): *Synaptic plasticity and learning in spiking neural networks.*
16:40	Keynote 7	Karlheinz Meier (University of Heidelberg): *How to compute with physical laws.*
17:30	Closing comments	
17:45	Drinks reception	**Room P/T005 Exhibition centre**