

Student Teacher Lecture

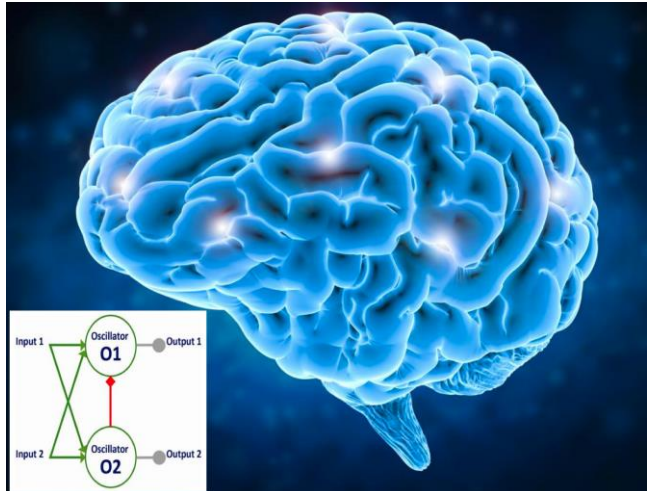
Brain Inspired Computing

Dr Stephen Lynch FIMA SFHEA
(Manchester Metropolitan University)

Room B4.3, Ellen Wilkinson Building
University of Manchester

Monday 17th September 2018 at 4.10pm

The average human brain consists of about 100 billion neurons connected by around a thousand trillion synapses – it is the most powerful computer known and yet only consumes about 25 Watts of power. Two mathematicians from Manchester Metropolitan University have invented a way to perform conventional computing using brain dynamics. The invention has potential applications in two scientific fields. In Computing, it could lead to the building of the world's most powerful supercomputer. In Biology, it could provide an assay (test circuit) for cell degradation to help with drug testing for neurological conditions such as Alzheimer's disease, Parkinson's disease and epilepsy.



**Open to all and especially to mathematics teachers and teachers in training.
No charge is made to attend meetings. Non-IMA members are welcome.**

The speaker, **Stephen Lynch**, is a Reader at MMU, a Speaker for Schools and a STEM Ambassador. His research area is in Dynamical Systems and he is currently writing a book on Python.

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