

JOINT SEMINAR

The Biological Internet

By

Dr. Forrest Fabian Jesse

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Beijing Jiaotong University

Date: 27 March 2017 (Monday)

Time: 4:00pm

Venue: LT-F (Lift 25-26)

Abstract

This is a talk about human-machine interaction, computation, neuron activity and the yet-to-exist biological internet, which follows from the current direction of technological development and the physical model of information exchange. To date, there are no formalized formats for direct information and intent transfer between minds and other computational structures. Such transfer remains a formative research topic. The fidelity with which information and intent can currently be sensed, stored and transferred is low when biological signals are the source. While computational systems now direct a vast amount of the world economy and influence large spans of human activity, the bridge between people and these systems becomes critical. Dr. Jesse will discuss this bridge, as it grows between people, their peers and their society, between people and their economy, and soon perhaps, memory, and history.

Speaker's Profile

Dr. Forrest Fabian Jesse is a researcher in human-machine interface and the development of the biological internet. His experimental work focuses on control of biological neuron circuit growth and information processing, free-space neural interface, and mediated reality (AR/VR). Dr. Jesse developed one of the first camera glasses life recording systems (Portable Film) and one of the world's first laser based wearable augmented reality systems (Portable Road).

His theoretical focus is context invariant computation, which gives the physical basis for information transfer between computer systems and people. The centerpiece of this computation theory is context invariant NOR. He is the director of Xixuan laboratory in Beijing.



All are Welcome!

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