

2016 Summer School on Neuromorphic Systems for Machine Learning

September 28-30, 2016, Singapore

GENERAL CHAIR

- Asst. Prof. Arindam Basu
School of Electrical and Electronic Engineering,
Nanyang Technological University,
Singapore

ADVISORY COMMITTEE MEMBERS

- Prof. Shoushun Chen
School of Electrical and Electronic Engineering,
Nanyang Technological University,
Singapore
- Dr. Garrick Orchard
Dept. of Electrical and Computer Engineering,
National University of Singapore

LOCAL ARRANGEMENTS

- Subhrajit Roy
- Laxmi R Iyer
Centre for Bio Devices and Signal Analysis (VALENS)
Nanyang Technological University
Email:
neuroml2016@gmail.com

SPONSORED BY:



CO-SPONSORED BY:

IEEE CAS Distinguished Lecturer Program

Machine learning allows machines to solve specific tasks without being explicitly programmed. In the recent past, it has seen a renaissance with successes of deep learning in image and speech recognition, natural language processing etc. However, most such success stories use power hungry supercomputer or GPU based implementations and do not respect real-time processing and learning constraints that are faced by biological organisms. Neuromorphic engineering, touted as *one of the top 10 emerging technologies by the World Economic Forum 2015*, aims to fill this gap by mimicking the structure and operation of the brain. It places emphasis on physical embodiment and aims to develop low-power silicon realizations of machine intelligence.

The main goal of this summer school is to provide a comprehensive review of current trends of research in the field of neuromorphic systems used for machine learning tasks. The participants are expected to acquire knowledge of various learning frameworks and computational models for neuromorphic systems. Target audience includes practitioners and scientists from the industry or research laboratories as well as post-graduate students from academic institutes.

PROGRAM INCLUDES

- Talks and Tutorials
- Panel Discussions
- Live Demo Sessions
- Poster Presentations

REGISTRATION:

[Click here for registration and details.](#)

Deadline for registration: Aug 10, 2016.

Registration fees: 150 SGD (student), 300 SGD (non-student)

Group Registration (>5 persons from same organization): 250 SGD/person

To present a poster, click on the appropriate option in registration page.

INVITED SPEAKERS:



André van Schaik
Research Professor
The MARCS Institute, Australia



Shih-Chii Liu
Co-lead of the Sensors group
Institute of Neuroinformatics,
University of Zurich and ETH Zurich



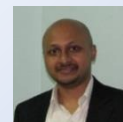
Ryad B. Benosman
Professor, Université Pierre et Marie Curie-Paris



Huajin Tang
Professor
Sichuan University, China



Garrick Orchard
Temasek Research Fellow
National University of Singapore



Arindam Basu
Assistant Professor
Nanyang Technological University



Chen Shoushun
Assistant Professor
Nanyang Technological University

AFFILIATION:

