The 3rd Workshop on Bio-inspired Energy-Efficient Information Systems

Next-Generation Nano-Micro Devices and Systems for Energy-Efficient Information Processing Division of Institute for Innovation in International Engineering Education (IIIEE) was founded in 2012 as a part of social cooperation program with IBM Japan, Ltd. to provide solutions towards realization of energy-efficient and sustainable society through basic research on energy-efficient information processing utilizing nano-/micro-device technologies and education of graduate students of related areas. The aims of this workshop are to introduce the scope of the social cooperation program and to provide an excellent opportunity to discuss bio-inspired energy-efficient information systems.

Date: March 12th, 2018, 13:00-18:00
Place: Fukutake Hall (Hongo campus), The University of Tokyo
Registration fee: Free (Pre-registration is highly appreciated)
Organizer: EEIP-SCP, IIIEE, Graduate School of Engineering, UT
Website: http://park.itc.u-tokyo.ac.jp/EEIP-SCP/workshop20180312/index.html
Contact: all@webpark1846.sakura.ne.jp
(A. Hirose, G. Tanaka, R. Nakane : IIIEE, UTokyo)

Plenary speakers

Spike Narayan
(Director, Physical Science, S&T, IBM Research - Almaden)

"Brain Inspired Approach to AI - A Hardware Perspective. IBM Research - Almaden"

Masatoshi Ishikawa
(Dean, Grad. School of Inf. Sci. and Tech., UTokyo)

"Dynamic Intelligent System Using High-speed Vision and Its Applications"

Invited speakers

Hiroyuki Akinaga (AIST)
Tetsuya Asai (Hokkaido Univ.)

"AI Hard- and Soft- Synchronized Developments"

Ferdinand Peper (CiNET)

"Neuromorphic Sensor Networks: Towards an Internet of Everythings?"

Hirokazu Takahashi
(RCAST, UTokyo)

"Cortical systems as spontaneously active reservoir"

Takayuki Osogami
(IBM Research -Tokyo)

"Time-series learning with dynamic Boltzmann machines"

Joint study update

Toshiyuki Yamane, Seiji Takeda   (IBM Research -Tokyo)
Gouhei Tanaka, Ryosho Nakane   (IIIEE, UTokyo)

SYSTEM × DEVICE
ENERGY EFFICIENT INFORMATION PROCESSING

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