The 3rd International Symposium on Brainware LSI February 26-27, 2016

Conference Room, Main Building (M601), RIEC, Tohoku University, Sendai, Japan

Sponsored by 2015 RIEC Collaboration Project Research (PJ#:H26/B09) "Brainware LSI International Joint Research" and Brainware LSI Project, RIEC, Tohoku University

Tentative Program

February 26 (Friday)	
13:00- 13:30-13:40	Registration Opening remarks
<session 1:="" brainware="" i="" lsi="" technologies=""></session>	
13:40-14:10	NVM Neuromorphic Core with 64k-cell (256-by-256) Phase Change Memory
14:10-14:40	SangBum Kim (IBM T.J. Watson Research Center, USA) Brain-Inspired Computing for Variation-Resilient VLSI System
14:40-15:10	Masanori Natsui (Tohoku University, Japan) Snake-like Robot Based on "TEGOTAE-Based Control" Takeshi Kano (Tohoku University, Japan)
15:10-15:30	Coffee break
<session 2:="" brainware="" ii="" lsi="" technologies=""></session>	
15:30-16:00	Implicit Brain and Explicit Brain -Dual Structure of Intelligence-
16:00-16:30	Koichi Osuka (Osaka University, Japan) Programable architecture for associative memories
16:30-17:00	Jean-Philippe Diguet (University of Southern Brittany, France) AER Spike Detection using Parameterized Associative Memory on BRAMs for SNN Hardware Implementations Jordi Madrenas (Technical University of Catalunya, Spain)
17:30-20:30	Open discussion
	February 27 (Saturday)
<session &="" 3:="" brainware="" i="" in="" learning="" lsi="" recognition=""></session>	
09:00- 09:30	Stochastic implementation of auditory filters
09:30- 10:00	Naoya Onizawa (Tohoku University, Japan) The sense of presence and verisimilitude induced by audio, visual and vibrational information
10:00-10:30	Shuichi Sakamoto (Tohoku University, Japan) Computational Auditory Scene Analysis in complex multi-talker scenarios Volker Hohmann (University of Oldenburg, Germany)
10:30-10:50	Coffee break
<session &="" 4:="" brainware="" ii="" in="" learning="" lsi="" recognition=""></session>	
10:50-11:20	VLSI implementation of a neural network model for detecting planar surface from local image motion
11:20-11:50	Hisanao Akima (Tohoku University, Japan) Modeling the visual process of contextual cueing effect
11:50-12:20	Zheng Xiong Yuan (Tohoku University, Japan) Psychophysical TMS: delayed fovea noise disrupts discrimination of object details in the visual periphery Sheng He (University of Minnesota, USA)
12:20-12:30	Closing remarks