



MonPM1-3		Whole Brain Architecture: Toward a Human Like General Pur-		
Ol :	Т-11-: О	pose Artificial Intelligence 1		
Chair: Room:	Takashi Omori, Hiroshi Yamakawa International Conference Hall III			
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13:20	- 13:40	Whole brain architecture approach is a feasible way toward an Artificial General Intelligence Hiroshi Yamakawa ¹ , Masahiko Osawa ² , Yutaka Matsuo ³ ¹ Dwango ² Keio University ³ The University of Tokyo		
13:40	- 14:00	Learning Visually Guided Risk-Aware Reaching on a Robot Controlled by a GPU Spiking Neural Network Terence Sanger ¹ ¹ USC		
14:00	- 14:20	Regularization Methods for the Restricted Bayesian Network BESOM Yuuji Ichisugi 1, Takashi Sano 1 $^1{\rm AIST}$		
14:20	- 14:40	Representation of Relations by Planes in Neural Network Language Model Takuma Ebisu ¹ , Ryutaro Ichise ² ¹ SOKENDAI ² National Institute of Informatics		
14:40	- 15:00	Modeling of emotion system as a value calculation system Takashi Omori ¹ , Masahiro Miyata ¹ ¹ Tamagawa University		

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MonPM2-3		Whole Brain Architecture: Toward a Human Like General Pur-
Chair:	Tokochi C	pose Artificial Intelligence 2 Imori, Hiroshi Yamakawa
Room:		nal Conference Hall III
15:20	- 15:40	The Whole Brain Architecture Initiative Naoya Arakawa ¹ , Hiroshi Yamakawa ² ¹ The Whole Brain Architecture Initiative ² Dwango
15:40	- 16:00	Neural Network for Quantum Brain Dynamics: 4D $CP^1+U(1)$ Gauge Theory on Lattice and its Phase Structure Shinya Sakane ¹ , Tetsuo Matsui ¹ Kindai University
16:00	- 16:20	BriCA: A Modular Software Platform for Whole Brain Architecture Kotone Itaya ¹ , Koichi Takahashi ² , Masayoshi Nakamura ³ , Moriyoshi Koizumi ⁴ , Naoya Arakawa ⁵ , Masaru Tomita ¹ , Hiroshi Yamakawa ³ ¹ Keio University ² RIKEN QBiC ³ DWANGO Co. ⁴ Open Collector Inc. ⁵ The Whole Brain Architecture Initiative
16:20	- 16:40	An Implementation of Working Memory Using Stacked Half Restricted Boltzmann Machine: Toward to Restricted Boltzmann Machine-Based Cognitive Architecture Masahiko Osawa ¹ , Hiroshi Yamakawa ¹ , Michita Imai ¹ ¹ Keio University / Dwango AI Laboratory
16:40	- 17:00	A Game-Engine-Based Learning Environment Framework for Artificial General Intelligence - Toward Democratic AGI - Masayoshi Nakamura ¹ , Hiroshi Yamakawa ¹ 1DWANGO Co.