

Journal of the Japanese Society for Artificial Intelligence

Vol. 24 No. 1 (Jan. 2009)

CONTENTS

Special Issue: "Editorial Board Members' Aspirations for 2009"

Editor's Introduction to "Editorial Board Members' Aspirations for 2009"	Takahira Yamaguchi	1
Takahira Yamaguchi, Hitoshi Matsubara, Ryuichi Oka, Manabu Okumura, Takashi Onoda, Toshihiro Kamishima, Satoshi Kurihara, Syusaku Tsumoto, Akinori Abe, Seiichiro Sakurai, Kimihito Ito, Hideaki Kikuchi, Chie Morita, Akiko Aizawa, Ryutaro Ichise, Ken Kaneiwa, Takanori Komatsu, Masanori Sugimoto, Yasufumi Takama, Fujio Tsutsumi, Yoshinori Hijikata, Yutaka Matsuo, Naohiro Matsumura, Kazuhisa Miwa, Ikuko Eguchi Yairi, Takeshi Morita, Yoshinobu Kitamura, Hiroshi Yamakawa, Masakazu Kanbe, Masaki Suwa, Takayuki Ito, Tsukasa Hirashima, Yasuhiro Takayama, Yuu Nakajima, Tadanobu Furukawa, Fuyuko Ito, Yuzuko Utsumi, Yusuke Yamamoto, Akihiro Kameda, Yukino Baba, Junpei Kawamoto		

Special Issue: "Trends and Perspectives of Research on Multiparty Interaction in Practical Purposes"

Editors' Introduction to "Trends and Perspectives of Research on Multiparty Interaction in Practical Purposes"	Hiroko Otsuka, Ikuyo Morimoto and Manabu Okumura	43
Communication Design for Deliberations under the Japanese Mixed Jury System	Kazuhiro Takeuchi, Satoshi Mishima and Kotaro Takagi	45
Dialogue in Nursing Activities	Naoko Matsumoto, Akifumi Tokosumi, Etsuko T. Harada and Misako Nambu	53
Large Scale Collaborative Learning and Its Support	Naomi Miyake	62
Support for "Learning by Collaboration"		
— Pattern Languages as a Method for Sharing Knowledge of Practice —	Takashi Iba	70
Dialogue Designs for Science Communication		
— Toward Practice of Autonomous Dialogue —	Hiroko Otsuka, Ikuyo Morimoto, Etsuo Mizukami, Eiji Tomida, Yasunori Yamanouchi and Hideki Kashioka	78
Community Meets Machine Translation	Toru Ishida	88

Special Issue: "AI in the World, AI in Japan" (13)

Silent Cues for Japanese Researchers	Kenji Yamada and Takayuki Ito	95
--------------------------------------------	-------------------------------	----

Lecture Series: "Intelligent Computing and Related Issues" (12)

Quantum Search and Quantum Games	Kazuo Iwama	99
----------------------------------------	-------------	----

Special Issue: "Doctorial Theses on Artificial Intelligence"

Editor's Introduction to "Doctorial Theses on Artificial Intelligence"	Yoshinobu Kitamura	110
Learning and Discovery		111
Infrastructure of Knowledge/Information		112
Web Intelligence		113
Agents and Distributed AI		114
Emergent Systems		116
Natural Language Processing		119
Pattern Understanding		121
Cognition and Embodiment		123
Human Interfaces, Computer Assisted Instruction		124
●		125

Special Issue: "The Frontiers of Evolutionary Computation Paradigm"

Editors' Introduction to "The Frontiers of Evolutionary Computation Paradigm"	Shigenobu Kobayashi, Shigeru Obayashi, Shigeyoshi Tsutsui and Tomoyuki Hiroyasu	127
The Frontiers of Real-Coded Genetic Algorithms	Shigenobu Kobayashi	128
Abstract		144

Technical Papers

Abstract		154
----------------	--	-----