

# Journal of the Japanese Society for Artificial Intelligence

Vol. 25 No. 3 (May 2010)

## CONTENTS

### Special Issue: "Ontology: Recent Progress and Dissemination"

Editor's Introduction to "Ontology: recent progress and dissemination" .....	Yoshinobu Kitamura	315
Concept Systems and Ontologies		
— Recommendations for Basic Terminology —		
.....	Gunnar O. Klein, Barry Smith and Yoshinobu Kitamura	317
Some Philosophical and Logical Backgrounds for Contemporary Applied Ontology		
.....	Mitsuhiro Okada	326
Developing and Extending Linguistically-Motivated Ontologies .....	Yoshihiko Hayashi	335
Ontology-Related Tools for Business Use		
— Extraction from the Scenes — .....	Takahiro Kawamura and Shinichi Nagano	345
Where Is Going Ontology Learning ? .....	Takeshi Morita and Takahira Yamaguchi	354

### Special Issue: "Current Trends in Logic-Based Inference Techniques"

Editors' Introduction to "Current Trends in Logic-Based Inference Techniques"		
.....	Chiaki Sakama and Katsumi Inoue	366
Answer Set Programming .....	Chiaki Sakama and Katsumi Inoue	368
An Introduction to Action Languages .....	Tran Cao Son and Chiaki Sakama	379
Abduction and Induction .....	Katsumi Inoue	389
Statistical Abduction .....	Taisuke Sato	400
Developments of Mathematical Argumentation		
— Trends and Future Prospects — .....	Hajime Sawamura	408
Logic Model of Autonomous Agents .....	Naoyuki Nide	419
Logic Programming in Multi-Agent Systems .....	Ken Satoh and Fariba Sadri	429

### Special Issue: "AI in the World, AI in Japan" (16)

How To Be a Successful Researcher All Over the World .....	Naoki Shibata	439
--	---------------	-----

### Lecture Series: "Educational Programs with Service Innovation and Artificial Intelligence" (1)

Editor's Introduction to "Educational Programs with Service Innovation and Artificial Intelligence"		
.....	Takahira Yamaguchi	442
Development of the Service Value Creation Program with a Holistic Approach of Utilizing Knowledge of Literature and Science		
.....	Yoshinori Hara, Yoshikazu Maegawa and Tomoko Koda	444

### Special Issue: "Selected Short Papers from JSAI 2009"

Editors' Introduction to "Selected Short Papers from JSAI 2009"		
.....	Kazuo Miyashita, Toyooki Nishida and Takahira Yamaguchi	452