

Table of Contents

Introduction: European Research and Development of Intelligent Information Agents: The AgentLink Perspective	1
<i>Matthias Klusch, Sonia Bergamaschi, Paolo Petta</i>	

Part One: Agent-Based Information Systems

Part Editor: Sonia Bergamaschi

MIKS: An Agent Framework Supporting Information Access and Integration	22
<i>Domenico Beneventano, Sonia Bergamaschi, Gionata Gelati, Francesco Guerra, Maurizio Vincini</i>	

PICSEL and Xyleme: Two Illustrative Information Integration Agents	50
<i>Marie-Christine Rousset, Chantal Reynaud</i>	

Adaptive Information Extraction: Core Technologies for Information Agents	79
<i>Nicholas Kushmerick, Bernd Thomas</i>	

Agent-Based Distributed Data Mining: The KDEC Scheme	104
<i>Matthias Klusch, Stefano Lodi, Gianluca Moro</i>	

Part Two: Adaptive Information Agents

Part Editor: Peter Edwards

User Profiling with Privacy: A Framework for Adaptive Information Agents	123
<i>Ian Dickinson, Dave Reynolds, Dave Banks, Steve Cayzer, Poorvi Vora</i>	

Implicit Culture for Information Agents	152
<i>Enrico Blanzieri, Paolo Giorgini</i>	

From Physical Agents to Recommender Agents	165
<i>Josep Lluís de la Rosa, Esteve del Acebo, Beatriz López, Miquel Montaner</i>	

Part Three: Coordination of Information Agents

Part Editor: Paolo Petta

Objective versus Subjective Coordination in the Engineering of Agent Systems	179
<i>Andrea Omicini, Sascha Ossowski</i>	

Sustainable Coordination	203
<i>Martin Fredriksson, Rune Gustavsson, Alessandro Ricci</i>	
The Pragmatics of Software Agents: Analysis and Design of Agent Communication Languages	234
<i>Juan Manuel Serrano, Sascha Ossowski, Alberto Fernández</i>	
Author Index	275