International Journal of Computing Anticipatory Systems, Volume 28, 2014, Edited by D. M. Dubois, CHAOS, Liège, Belgium, ISSN 1373-5411 ISBN 2-930396-17-2	
TABLE OF CONTENTS	
INTRODUCTION: Lecture of CASYS AWARD	
On the Halting Problem Louis H. Kauffman (USA), Invited Speaker	3
SYMPOSIUM 4: COMPUTING SYSTEMS, INFORMATION, SOFTWARE, AND ANTICIPATORY REASONING	
Recognising the Infinite Cycle: A Way of Looking at the Halting Problem Bohdan Hejna (Czech Republic)	21
A Transformation Mechanism between Sensory Data and Logical Formulas for Anticipatory Reasoning-Reacting Systems Yuichi Goto,	
Jingde Cheng (Japan) Interactive Vertex Coloring of Polyhedral Graphs Hidetoshi Nonaka (Japan)	57
World Model, Predictive Model, and Behavioral Model of an Anticipatory Reasoning-Reacting System for Runway Incursion Prevention Kai Shi, Kazunori Wagatsuma, Yuichi Goto, Jingde Cheng (Japan)	67
Semantic Navigation Based on Object-Oriented Model of a Web Site Alexander A. Sytnik, Sergey V. Papshev, Vladimir S. Salin (Russia)	89

A Software Development Framework for Various Anticipatory Reasoning-Reacting Systems	
Kai Shi,	
Yuichi Goto,	
Jingde Cheng (Japan)	95
Semantic Segmentation of Hypertext on the Basis of Automata Model Alexander A. Sytnik, Sergey V. Papshev (Russia)	109
SYMPOSIUM 5: SOFT COMPUTING, NATURAL AND ARTIFICIAL INTELLIGENCE, CONSCIOUSNESS, AND LANGUAGE	
Neural Networks Analysis and Synthesis of the Multidimensional Signals by More-Equal-Less Logic	
Dobilas Kirvelis (Lithuania)	119
Collective Behavior of the Metric-Topological Interaction Model by Using Internal Fluctuations in the Flock Takayuki Niizato,	
Yukio-Pegio Gunji (Japan)	145
Non Verbal Communication Devices and Language Acquisition or	
Re-acquisition	
Francis Lowenthal (Belgium)	159
Hyperincursive Cogitata and Incursive Cogitantes: Scholarly Discourse as a Strongly Anticipatory System	150
Loet Leydesdorff (The Netherlands)	173
Dynamics Underneath Symbols: A Case Study in Autonomous	
Agents Kohei Nakajima (Switzerland)	187
From Self-Awareness to the Consciousness of the "Speaking Subject" Armelle Jacquet-Andrieu, Joël Colloc (France)	201
On how to Define Anticipation in the Verbal Flow	
Armelle Jacquet-Andrieu, Joël Colloc (France)	219