

Table of Contents

Cartesian Systemic Emergence: Tackling Underspecified Notions in Incomplete Domains <i>Marta Franova and Yves Kodratoff</i>	1
Feature Extraction Process with an Adaptive Filter on Brain Signals Motion Intention Classification <i>Luis Felipe Marin-Urias, J. Alejandro Vasquez-Santacruz, Rogelio de J. Portillo-Velez, Felix O. Rivera-Hernandez, and Mario Castelan</i>	7
The Impact of Human Factors on Digitization: An Eye-tracking Study of OCR Proofreading Strategies <i>Flavia De Simone, Federico Boschetti, Barbara Balbi, Vincenzo Broscritto, Anas Fahad Kahn, Simona Collina, and Roberto Montanari</i>	14
Strategies for Learning Lexemes Efficiently: A Graph-Based Approach <i>Jean-Marie Poulin, Alexandre Blondin Masse, and Aleksandro Fonseca</i>	18
Problems of the System Approach to the Study of Psychophysiology of Aesthetic Emotions Concerning an Architecture <i>Olga Chebereva</i>	24
Image Transformations in a Cognitive System. Tunnel Transition and Combining Ensembles <i>Ekaterina D. Kazimirova</i>	30
On the Social Aspects of Forming the Concept of "Chef-D'oeuvre" <i>Olga Chernavskaya and Yaroslav Rozhylo</i>	34
A Conceptual Architecture of Cognitive Electronic Warfare System <i>Qinghan Xiao</i>	38
Implementing Systemic Thinking for Automatic Schema Matching: An Agent-Based Modeling Approach <i>Hicham Assoudi and Hakim Lounis</i>	43
Subjective Evaluation on Three Types of Cognitive Load and its Learning Effects <i>Kazuhisa Miwa, Hitoshi Terai, and Kazuaki Kojima</i>	51
EEG based Valence Recognition using Convolutional Kernel on Time-Frequency Axis <i>Jun-Su Kang and Minhoo Lee</i>	55
A Model of Free Will for Artificial Entities <i>Eric Sanchis</i>	57
A Multilayer Architecture for Cognitive Systems <i>Veronika Thurner and Thorsten Gressling</i>	63

Human and Machine Capabilities for Place Recognition: a Comparison Study 72
Carlos Alberto Martinez-Miwa, Mario Castelan, Luz Abril Torres-Mendez, and Alejandro Maldonado-Ramirez

NiHA: A Conscious Agent 78
Wajahat Mahmood Qazi, Syed Tanweer Shah Bukhari, Jonathan Andrew Ware, and Atifa Athar