## **Table of Contents**

Metacognition-Driven Preprocessing for Optimized Artificial Intelligence Performance Naavya Shetty	1
Implementation of Structured Memes into Behavioral Ecology via GOMS  Muneo Kitajima, Makoto Toyota, Jerome Dinet, and Katsuko T. Nakahira	6
Neutralized Synchronic and Diachronic Potentiality for Interpreting Multi-Layered Neural Networks Ryotaro Kamimura	17
"Red Cars are Faster than Other Cars": The Impact of Color on Children's Estimation of Speed Jerome Dinet, Robin Vivian, Melanie Laurent, Mickael Smodis, Pierre Chevrier, and Gaelle Nicolas	26
Effects of Experience of Listening to Short Sentences Containing ANEWs on Memory: An Analysis Based on Pupillary Responses during Listening and Visual Behavior during Impression Evaluation Katsuko Nakahira, T., Sho Hasegawa, Shunsuke Moriya, and Muneo Kitajima	33