

# Competitive Paper Award

Hiroto Ebara, Tomoaki Nakamura, Akira Taniguchi and Tadahiro Taniguchi

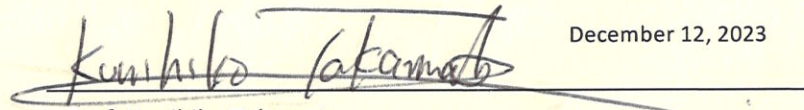
For the paper entitled

**Multi-agent Reinforcement Learning with Emergent Communication using  
Discrete and Indifferentiable Message**

Presented at the

**14<sup>th</sup> IIAI International Conference on Smart Computing and Artificial Intelligence  
(in conjunction with 15th IIAI International Congress on Advanced Applied Informatics)**  
11-13 December 2023, Bali Dynasty Resort, Bali, Indonesia





Prof. Kunihiko Takamatsu,  
Program Chair, IIAI AAI 2023-Winter Congress

December 12, 2023