

CERTIFICATE

OF PARTICIPATION

This certificate is awarded to

**Prab Wongsekleo, Lapat Nakpaen, Panarat
Cherntanomwong and Charnon Pattiyanon**

for the paper entitled

**Reduce time-consuming collecting fingerprint data in
Indoor Positioning Systems with Generated Synthetic
Data by Ensemble models and GANs**

**In the 19th International Joint Symposium on Artificial Intelligence
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