



**IEEE 4th International Conference on Computing and Machine
Intelligence**
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Central Michigan University

CERTIFICATE

of Participation

This certificate is presented to
Mostafa El-Said

**For participating and presenting the
paper titled:**

**A Secure One-to-Many Authentication Protocol for
Industrial IoT (IIoT) Applications**

A handwritten signature in blue ink, appearing to be "Ah".

General Chair
Ahmed Abdelgawad, PhD