



**IEEE 4th International Conference on Computing and Machine
Intelligence**
April 05-06, 2025
Central Michigan University

CERTIFICATE

of Participation

This certificate is presented to
Marjan Asadinia

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

**HART: A Hybrid Addressing Scheme for Self-
Balancing Binary Search Trees in Phase Change
Memory (PCM)**

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

General Chair
Ahmed Abdelgawad, PhD