



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

CERTIFICATE

of Participation

This certificate is presented to
Laith Jumma

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

**Design and execution of a DWDM approach based
on the high data rate IS-OWC System**

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

General Chair
Ahmed Abdelgawad, PhD