



Paper Presentation Certificate

This is to certify that the paper entitled

Impact of Normalization on BiLSTM Based Models for Energy Disaggregation

by *Mohammed Ayub; El-Sayed M. El-Alfy*

has been presented at the

International Conference on Data Analytics for Business and Industry

organized by the University of Bahrain

on 26 – 27 October 2020 ONLINE



Hatem Masri , Program Chair

A handwritten signature in purple ink, reading "Hatem Masri".