

The First National Conference on Renewable Energies and Advanced  
Electrical Engineering (NC REAEE'25)

May 06-07<sup>th</sup>, 2025

University of M'Sila  
Faculty of Technology

Electrical Engineering Laboratory (LGE)



## CERTIFICATE OF PARTICIPATION

This Certificate is Awarded to:

**CHABIRA Chaima**

for presenting a paper entitled: **Leaks Detection in WDNs Using Pressure Signals Based on CWT and CNN**

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at the First National Conference on Renewable Energies and Advanced Electrical Engineering  
(NC-REAEE'25), held at M'Sila University- Algeria, on May 6-7<sup>th</sup> 2025.

Paper ID: 152



Conference Chair

Dr. Abderrahmane ZEMMIT

