

# 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:

***Abdelouadoud LOUKRIZ***

for presenting a paper entitled: **Intelligent Algorithm-Based Adaptive Nonlinear Control With Deadbeat Observer For Permanent Magnet Synchronous Motor Drives**

Co-authors: ***Abderrahim Zemmit, Aissa Redhouane Harkat.***

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.

**Conference Chair**

Dr. Abderrahim ZEMMIT

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