



Certificate of Participation

This is to certify that:

Keltoum Loukal

Participated in the “*The 2nd International Conference of Advanced Technology in Electronic and Electrical Engineering (ICATEEE2025)*” held from December 10-11, 2025, at University of M'Sila, Algeria” with a presentation entitled:

Smart Control of Flexible-Joint Manipulator Arm Using a Hybrid ANFIS Architecture

Co-authors: Abderrahmen Bouguerra, Ismail Ghadbane, Housseyn Serai.



December 10-11, 2025, at University of M'Sila, Algeria
<https://media.univ-msila.dz/ICATEEE25/>



Prof: Ismail GHADBANE
General Chair