



LMAP
LABORATORY OF
MATHEMATICS AND
APPLIED PHYSICS
المدرسة العليا للأساتذة - بوسعادة
ENS-BOUSAADA

Ministry of Higher Education and Scientific Research
Higher Normal School of Bou Saada
Department of Science Physics and Laboratory
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CERTIFICATE OF PARTICIPATION

The Organizing Committee of the Second National Conference on Physics and its Applications
(20 Novembre 2025) is pleased to award this certificate to :

Raouia MAMINE

in recognition of active participation in the conference with an poster presentation en-
titled: “ Modeling and Simulation of a Grid-Connected Hybrid Energy System using HO-
MER “

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