



**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  
of Mathematics and Applied Physics



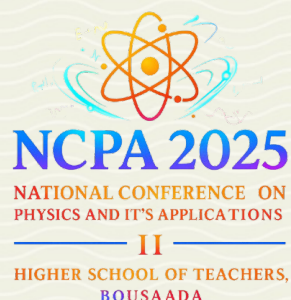
## CERTIFICATE OF PARTICIPATION

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

**OUSSAMA MOUSSA**

in recognition of his active participation in the conference with an Oral presentation  
entitled: “ Design and PIL implementation of a new robust backstepping based low-  
complexity voltage-oriented control method for four-leg rectifiers “

Co-author: HELLALI LALLOUANI, AKKA ALI



NATIONAL CONFERENCE ON  
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