



University Center of Barika, ALGERIA  
Institute of Sciences - Department of Computer Science



Laboratory of Science for Mathematics Computer Science and Engineering Applications



**The 1<sup>st</sup> National Conference On Intelligent Systems  
NCIS'2025, April 14, 2025 Barika, Algeria**



**Certificate of Participation**

This is to certify that: **Salah Eddine SEMATI** , University of M'sila

Has participated in the 1<sup>st</sup> National Conference on Intelligent Systems (NCIS'25) and presented a communication entitled: **Application of Interval Markov Chains in the Page Rank Algorithm for Enhanced Accuracy in Dynamic Web Environments**

Co-author(s): **Abdelkader GASMI**

Director of Institute:



Conference Chairman:  
Dr. Khalil El Baz

