



# LOPAL

*International Conference on Learning and Optimization Algorithms:  
Theory and Applications*

## **Certificate of Participation**

This is to certify that J. Salvador Sánchez has participated in the **International Conference on Learning and Optimization Algorithms: Theory and Applications**, held May 2–5, 2018, in Rabat (Morocco), presenting the work “Addressing the Links Between Dimensionality and Data Characteristics in Gene-Expression Microarrays”

A handwritten signature in black ink, appearing to be 'A. El Afia', written in a cursive style.

Abdellatif El Afia  
General Co-Chair