



# WITAM'2019

International workshop on the thermodynamics of metallic alloys  
International Congress on the World of Technology and Advanced Materials



## Certificate

This Certificate is awarded to: **SABER SAAD SOAUD**

Paper Title: **ELECTRONIC AND MAGNETIC STRUCTURE, ELASTIC AND THERMAL PROPERTIES OF MN<sub>2</sub>-BASED FULL HEUSLER ALLOYS**

For her/his attendance and delivery of an **POSTER** presentation in the 5<sup>th</sup> International Workshop on Thermodynamic of Metallic Alloys, "WITAM'2019", held in Batna1 University, Algeria, November 13-14, 2019.



The Workshop Chairman  
**Pr. Yassine Djaballah**