



CERTIFICATE OF PARTICIPATION

This is to certify that

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Co-Authors: **CHETIOWI Souheyla**

Have participated in*National Conference of Applied Sciences and Engineering NCASE'24* with poster, entitled

Investigate of Al doped on Bi-2201 materials properties

Held in November 17 and 18, 2024 and Organized by the Applied Sciences Laboratory (LSA) of the National Higher School of Advanced Technologies (ENSTA).

This conference brought together researchers, academics, and industry professionals to share insights and advances in applied sciences and engineering.

Conference Chair
ABDELGHANI GRAMEZ, PhD



Chair of the Scientific Committee
ZEMMOURI Hassiba, PhD