

REPUBLIQUE ALGERIENNE DEMOCRATIQUE ET POPULAIRE  
MINISTÈRE DE L'ENSEIGNEMENT SUPÉRIEUR ET DE LA RECHERCHE SCIENTIFIQUE



**École Nationale Polytechnique**  
**Département de Génie Mécanique**  
**Laboratory of Green and Mechanical Development**



Thesis presented and defended for the degree of Doctor in  
**Mechanical Engineering**  
(major in: Energy engineering)

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**Aeroacoustic Modeling and Analysis of an Isolated Wind Turbine:  
Extension to a Wind Farm**

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By :

**Abdessabour AMOURA**

Jury members:

Fouad KHALDI	Professeur, ENP, Algiers, Algeria,	Chair
Arezki SMAILI	Professeur, ENP, Algiers, Algeria,	Supervisor
Sofiane KHELLADI	Professeur, ENSAM, Paris, France,	Co-Supervisor
Smail KHALFALLAH	Professeur, EMP Algiers, Algeria,	Examiner
Salah LARBI	Professeur, ENP, Algiers, Algeria,	Examiner
Noureddine HANNOUN	MCA, USTHB, Algiers, Algeria,	Examiner
Mohammed Nadjib HAMPLAOUI	MCA, Université de Mila, Algeria,	Guest
Abdelhamid BOUHELAL	MCA, Université d'El Oued, Algérie,	Guest

The public is cordially invited to attend the defense, which will take place on **Thursday, June 11, 2026, at 2:00 PM** in the Ouabdesselam Amphitheater, ENP.