



11th Doctoral Students' Day in Mechanical Engineering

Thursday, December 18, 2025

At 23 Room, Mechanical engineering Department

Also, the link below for possible virtual participation:

meet.google.com/iya-kvjc-bxu

Program

8h30-9h00

Opening ceremony

Prof. A. Mekhaldi, Director of ENP

Prof. A. Smaili, Director of LGMD

Dr. Y. Belkacemi, Head of Mechanical engineering department

Dr. N. Amoura, Chair of CSD

Présentations des doctorants

9h00-9h20

Candidat : **Ryad DERRI**

A digital twin model for thermal management in an innovative solid-state hydrogen storage tank

Jury: Pr. S. Larbi, Pr. N. Fenineche, Pr. N. Lebaal, Pr. A. Smaili

9h20-9h40

Candidat : **Amina ROUINA**

Integration of Solar Chimney Power Plants in Brackish Water Desalination

Processes: The Case of Algeria

Jury: Pr. F. Khaldi, Pr. S. Larbi, Dr. A. Bouhelal

9h40-10h00

Candidat : **Ismaïl RAHIM**

Optimisation des paramètres influents sur le soudage par friction rotative RFW

Jury : Dr. Y. Belkacemi, Dr. N. Amoura, Dr. N. Zeroudi, Dr. D. Saïdi

10h00-10h20

Candidat : **Samir AIT ALI**

Application of additive manufacturing for the development of active magnetic regenerators dedicated to hydrogen liquefaction

Jury : Pr. S. Larbi, Pr. N. Fenineche, Pr. A. Smaili , Dr. A. Bouhelal



10h20-10h40	Candidat : Sofiane ZEMOURA <i>Fluid-structure interaction analysis of small wind turbine blades made of natural fibers using advanced Lattice-Boltzmann simulations.</i> Jury: Dr. N. Amoura, Dr. A. Bouhelal, Dr. M.N. Hamlaoui, Pr. A. Smaili
10h40-11h00	Candidat : Sarra HAOUAM <i>Wind turbine layout optimization in wind farms using hybrid technique based on computational fluid dynamics (CFD) and multi objective optimization</i> Jury: Pr. S. Larbi, Dr. A. Bouhelal, Dr. M.N. Hamlaoui, Pr. A. Smaili
11h00-11h20	Candidat : Fouad RAHMANI MOKHTAR <i>Investigation and Mitigation of Failure Mechanisms in Fiberglass-Reinforced Polyester Pressure Tubes in Reverse Osmosis Desalination Plants</i> Jury: Pr. B. Kebli, Dr. N. Amoura, Dr. Y. Belkacemi, Dr. N. Zeroudi
11h20-11h40	Candidat : Faycal Riadh SOUILAH <i>Contribution pour une stratégie de développement de structures lattice 3D Reverse Osmosis Desalination Plants (Progress report not submitted)</i> Jury: Pr. B. Kebli, Dr. Y. Belkacemi, Dr. N. Amoura, Dr. N. Zeroudi
11h40-12h30	Closing ceremony
