

CLÉOPHANIE BROCHARD-RICHARD

CONTACT

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36 Agias Lavras
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Greece
Date of birth : 18/05/1998

STUDY

Université Paris Saclay, Orsay

PhD Thesis at the C2N laboratory on Advanced Nano-Engineering to Transport Heat in Ultra-thin Membranes (2D materials)

Université Paris Cité, Paris

Master Quantum Devices, mention Good

Polytecnico di Torino, Turin

Master Nanotechnologies for ICTs

Université Paris Diderot, Paris

Bachelor of physics mention Very good
Bachelor of chemistry mention Good

Lycée De Lattre de Tassigny, La Roche-sur-Yon

Baccalauréat S mention Good
Abitur mention Good

SIDES ACTIVITIES

2-years PhD and PostPhD representative at the C2N laboratory

Karate (Black belt 2eme Dan)

Pastry, Bakery (internships of few weeks in Germany in this field)

Painting, reading

WORK AND INTERNSHIPS

INN , NCSR “Demokritos”

2025- :
Postdoctoral researcher on thermal and thermoelectrical properties in 2D materials

C2N , Université Paris Saclay

2021-2024:
PhD Thesis at the C2N laboratory on advanced Nano-Engineering to Transport Heat in Ultra-thin Membranes (2D materials)

March-june 2021:
4 months internship on the thermal properties of suspended hBN flakes

LCP , Université Paris Sud

May-june 2019:
6 weeks internship on the synthesis of Palladium nanoparticles and electrocatalytic characterisation of the O₂ reduction thanks to the synthesised nanoparticles

ITODYS , Université Paris Diderot

June 2018:
5 weeks internship on the synthesis and the deposition of charged gold nanoparticles

COMPETENCES

Software

Blender , Comsol , Inkscape , ImageJ , KiCad , LabSpec , Labview , LaTeX , Matlab , Office Pack , Origin , Python , Zotero

Equipements

AFM , Cyclic voltammetry , DSL , Exfoliation of 2D materials , Metal evaporative system , Optical lithography , PL spectroscopy , Raman spectroscopy , RIE , SThM , Soldering , Transfer of 2D materials on substrate and suspended , UV-visible spectroscopy , Wire bonding

Languages

French: Native
English: B2 (6,5 IELTS)
Italian : Intermediate
German: Intermediate
Greek : Beginner

Others

Driven licence (Permis B)