



C2FUEL Gives the Floor to its PhD Students...



C2FUEL

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What is the subject of your PhD?

My thesis is about “Intensified dimethylether production from high temperature electrolysis and membrane-based CO₂ capture processes”. It focuses on the implementation of these novel technologies in the form of an industrially relevant demonstration pilot. Furthermore, I am investigating various use cases for a DME production plant, and my goal is to demonstrate through modelling and empirical results the expected durability and operability of these integrated processes when subject to dynamic inputs.

What are your projects after the PhD?

I would like to transition to research and project development for novel battery technologies for seasonal renewable energy storage and transmission grid stabilization (ideally in the form of new projects and consortiums within the EU Commission framework).



What is your background?

I have a M.A. and B.A. in Physical Chemistry from Harvard University – Boston, USA.



How and why did you choose to do a PhD? And why within a European project such as C2FUEL?

Advancing in my field in the private sector usually requires a PhD, and my ability to conduct my research within the context of C2FUEL and ENGIE Lab CRIGEN gives me practical work experience (4-5 years), project management training, and allows me to kill two birds with one stone professionally.

