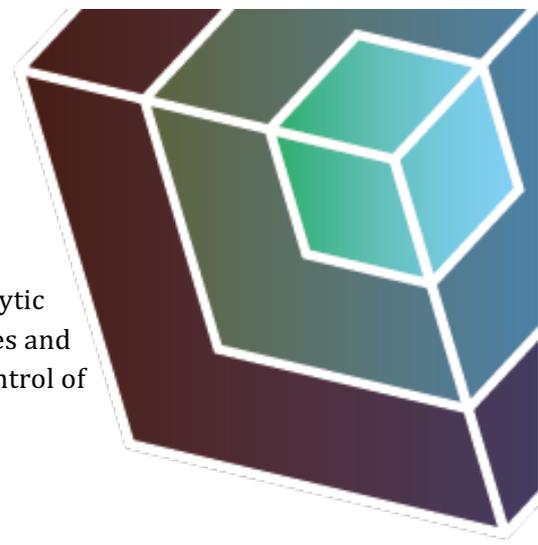


Project: Microscopic study of the initial stages of electrolytic gas production at catalytic surfaces

“In this project, we will investigate the gas evolution under electrolytic conditions, with the primary aim to control the formation of bubbles and their release from a catalytically active surface. Electrochemical control of the catalytic surface allows optimization of its efficiency.”

Edwin Dollekamp (UT)



Can you do a short presentation about you?

My name is Edwin Dollekamp and I am 28 years old. I did my bachelor and master in Applied Physics at the University of Twente. After that I continued with doing a PhD at the same university, in the Physics of Interfaces and Nanomaterials group. I'm currently in my third year.

Would you advice a friend to come to the Netherlands?

Yes! It is a good place to live and the people are friendly. Also the universities are of a high level.

How/why did you finish in Enschede?

I chose to study in Enschede because it was closest to my parent's place (Nijverdal). For my PhD, I applied for a position at the same university where I studied.

How did you become interested in science?

I was always interested in how things work.

Did you know right away that you wanted to be a research scientist?

No, my interest in research grew along my bachelor and master study.

What do you enjoy the most about your research?

Doing experiments in the lab.

What is your biggest motivation?

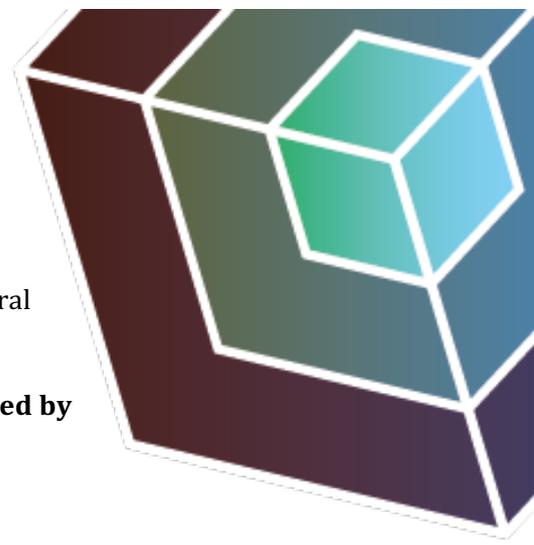
Discovering new phenomena in physics.

How do you see yourself fitting in the MCEC project?

My project is focused on the study of nanobubbles. These bubbles block catalytic surfaces. By getting more control over the formation of these bubbles, catalytic reactions will be improved.

If you had a time machine and 2 beers, with which scientist would you like to meet?

Einstein, since he was one of the greatest minds in physics.



What is the most memorable "Eureka" moment in your life (not necessarily connected to science)?

When difficult measurements finally succeed after several months of trial and error.

Which scientific term/phenomena you think is the most misused by media?

The confusions of a physicist with a physician.

What do you like to do in your spare time?

I mostly like to do sports. I currently do triathlon, breakdance and mountain biking. I also like to relax by watching series and movies.

Is science the answer to everything?

Yes.

What do you want to do after finishing your PhD?

Continue as a postdoc, or working at an R&D department of a company in the area of physics.