



11th MAPEX Early Career Researcher Workshop

Programme

25th November 2020

online via zoom

**SCIENCE
MEETS
INDUSTRY**

cooperation projects
and career path
in(to) the industry



MAPEX
Materials | Methods | Technologies

**Early Career Researcher
Workshop**

register online: www.uni-bremen.de/mapex

all registered participants

will receive the zoom link for participation | can pick up a ‚surprise bag‘ for the breaks

Our guests in session 1

Thomas Homburg, innovation manager @ ISC3



My current role.

As innovation manager at the International Sustainable Chemistry Collaborative Centre (ISC3) I establish and develop contacts to start-ups, industries and innovation hubs on a global scale. I try to unite start-ups, (cooperate) venture capitalists, policy and sustainable chemistry for the good of humanity.

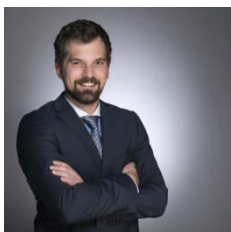
Describing my daily work in one sentence.

I am attending in conferences, pitches and meetings to identify new international start-ups and investors to promote sustainable chemistry.

Major milestones of my career.

I studied Chemistry in Germany and Sweden. After working on projects in environmental chemistry, biotechnology and catalysis in Southampton, Berlin and Jerusalem, I pursued my PhD research on proton conductivity in Kiel and Calgary. Before joining ISC3, I worked in the field of polymer adhesives for a Swiss based company.

Christian Lasar, CEO @ Synthalpy.com



My current role.

I am founder and scientific software developer.

Describing my daily work in one sentence.

I am connecting the technologies of quantum chemistry with high performance equations of state from chemical engineering to accurately predict chemistry in business and science applications.

Major milestones of my career.

I hold a Ph.D. in theoretical chemistry from the Carl von Ossietzky University Oldenburg. After working as a scientific software developer at DDBST GmbH I founded synthalpy.com and now offer advanced software solutions to make the power of quantum molecular simulations available for any chemist or engineer.

Our guests in session 2

Michael Teck, application scientist @ STOE & Cie GmbH



My current role.

Application scientist (powder X-ray diffraction)

Describing my daily work in one sentence.

Between building up new diffractometers in the lab (at the company & the customer), testing parts, setting up measurements, doing customer service/training and taking care of the surrounding office work, every day at STOE is different (in a good way!).

Major milestones of my career.

Every larger installation at a customer site was a milestone so far, as most machines are big projects for both parties. Having studied chemistry & materials science (University of Bremen), it's a perfect fit considering the skillset I have in use on a daily basis, from theory to application.

Jens Laube, engineer @ OHB System AG



My current role.

I work as a propulsion and plasma analysis engineer.

Describing my daily work in one sentence.

A little bit of everything.

Major milestones of my career.

I studied Production engineering in Bremen until 2011 with focus on materials and mechanics. After my diploma I joined the "Hybrid Materials Interfaces" Group of Lucio Colombi Ciacchi to perform my PhD on nanoparticle interactions with the help of molecular dynamics simulations. In 2016, I moved on to the propulsion department of OHB System to predict the impact of the Electric Propulsion Plasma and other environmental effects on the spacecrafts designed by OHB.

11th MAPEX Early Career Researcher Workshop

The first edition of a MAPEX ECR workshop in a fully virtual format.

Held via Zoom, the event will consist of moderated discussions with four panellists who have embarked on different career paths outside the university. In between the panel sessions, breakout sessions will enable the participants to get in touch with the speakers and to deepen and reflect the previous discussion with each other in an informal setting.

Register for the workshop if you would like to...

- get to know four professionals with different backgrounds and career trajectories;
- talk about skills and competencies that are valuable for a career in companies or scientific organisations;
- discuss the opportunities and challenges associated with a move from university to industry;
- build your network within and beyond MAPEX.

PROGRAMME - overview

session 1

10:30 – 12:00

10:30 panel discussion with Thomas Homburg and Christian Lasar

11:15 coffee break and time for discussions in small groups

11:45 time for open questions to session 1

session 2

12:00 – 13:30

12:00 panel discussion with Michael Teck and Jens Laube

12:40 lunch break and time for discussion in small groups

13:10 time for open questions to session 2

Organizing committee

Wilke Dononelli, Michael Fischer, Katharina Koschek, Hanna Lührs, Ann-Kathrin Risken

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