

Master thesis in Aarhus, Denmark?

You want to do an exciting Master thesis?
...and at the same time see and experience another
country and culture?

Then I might have an attractive offer for you.



My name is Klaus Koren and I work as an Assistant Professor at Aarhus University, Denmark. My focus is on optical and electrochemical sensing in environmental samples, in the broadest sense. I obtained my Master. and Dr. from TU Graz (group of Prof. Klimant) some years ago. I still have good friends and collaborators in Graz.

Due to my connection with Graz I would like to offer interested chemistry, biochemistry and USW chemistry (and alike) students the opportunity to get experience abroad in a rather uncomplicated fashion. If you are interested in spending some time in Aarhus doing a scientific project (e.g. Master thesis or any other project of > 3 month) you can contact me.

My research interests are:

- Development of new sensors; mainly optical but also electrochemical
- Application of sensors in biological research, basic science as well as applied research

My research often includes fieldwork and measurements of real samples and is highly interdisciplinary. I am also open, if you have any research idea you would like to realize; the idea just needs to fit my profile and get me excited; easy.

I have constantly several interesting projects running and I always need motivated and engaged students.

What I can offer:

- Support in applying for funding to go abroad (e.g .ERASMUS+) and if the project allows it also some additional funding
- Support in finding a place to stay
- A good and very open research environment with no hierarchies where you can learn and try out new things
- Support and supervision in writing a thesis, report or publication (if applicable)

What I expect:

- Motivation and a scientific interest in the topic
- That you are open to new ways of doing things, new people and cultures; and are fluent in English

Official supervisor in Graz could be Prof. Sergey Borisov (Analytical Chemistry, TU Graz), or other Professors depending on the topic.

Feel free to contact me at klaus.koren@bios.au.dk

Check out my research page on Researchgate for further information
(https://www.researchgate.net/profile/Klaus_Koren)

A bit of information on Aarhus, Aarhus University and the workplace

Aarhus has a similar size than Graz and is a big student town (about 40.000 students) as well. So the city feels a lot like Graz and everything is in bike distance (kind of).

Aarhus University is a rather young University (established 1928). Nevertheless, the University is doing very well and ranks within the top 100 in almost all University rankings. The research output is very high and several research centers are located within the University.

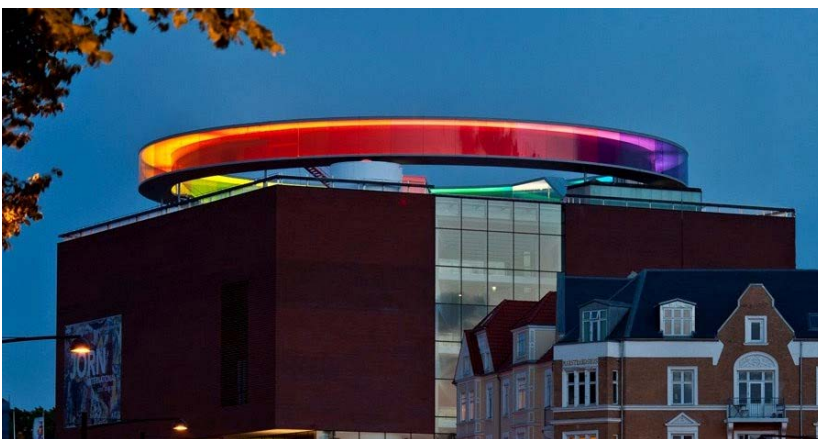
I am affiliated with the department of Bioscience and the section of Microbiology. We pursue a diverse range of research questions ranging from electron transport in sediments to symbiosis as well as sensor development. Our sensors are essential tools used by several of our colleagues to answer their research questions. This makes sensor development very application driven and exciting; at least in my eyes.

I am also affiliated with the Aarhus University Center for Water technology (WATEC). In this center we collaborate to solve all sorts of technological questions related to water purification, management and monitoring; see details at www.watec.au.dk.

Generally collaboration and interaction is very high and the environment is very international (English is working language) and interdisciplinary.



Here our research ship (Aurora) in the Harbor of Aarhus



The famous rainbow installation on top of the art museum AROS