Planning PhosPORE Spring school

Dear participant,

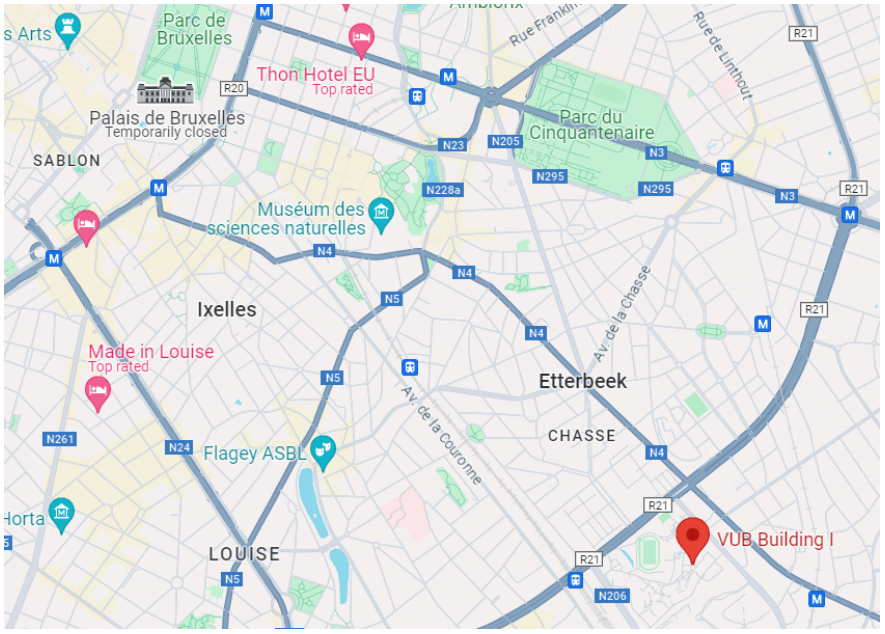
Below you can find the preliminary program of the PHOSPORE spring school. This document will be regularly updated and new practical information may be added as the event approaches. The organizers would like to point your attention to the fact that **the venue for the program on Sunday April 14 is different from the location where the rest of the program is completed on Monday and Tuesday.** We would like to invite all participants to sign up for the flash presentation session (6 minutes), showcasing their research, that will be held on Tuesday.

Sunday 14 april @ VUB

Location: building I room I.0.02

directions and public transport info: VUB venue

Google maps link: https://maps.app.goo.gl/b9tN6hAbpQZcZWsw6



Afternoon:

14:00 Registration

15:00 Official opening Spring School

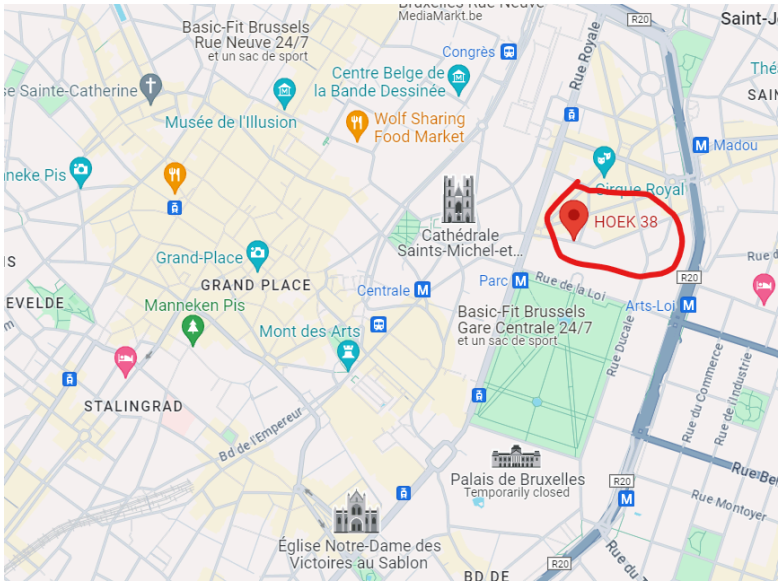
15:15 – 16:05 **Opening lecture** - prof. Dr. Vera Krewald – TU Darmstadt - DE: Computational Approaches to Catalysis: Identifying Active Sites for the Oxygen Reduction Reaction in Single-Atom Catalysts

16:15 – 18:00 Welcome reception @ VUB building I

Monday 15 april @ hoek 38

Location: Leuvenseweg 38, Brussel

Google maps link: https://maps.app.goo.gl/cwMKGX8TFCGS7HZa6



Morning session:

8:30 – 9:00	**Registration**
9:00 – 9:50	**Tutorial lecture 1** – Prof. Dr. Norbert Stock - University of Kiel - DE High-throughput and in situ crystallization studies of metal phosphonates – building blocks and their assembly to porous compounds
9:50 – 10:40	**Tutorial lecture 2** – prof. Dr. Laurent Delevoye - Université de Lille – FR Exploring Molecular Structure Across Materials: Recent Developments in Solid-State NMR
10:40 – 11:10	**Morning break**
11:10 – 12:00	**Tutorial lecture 3** – Prof. Dr. Petra De Jongh - Utrecht University - NL
12:00 – 12:50	**Tutorial lecture 4** – prof. Dr. Matthias Thommes - Friedrich-Alexander-University Erlangen-Nürnberg - DE Characterization of Nanoporous Materials by Physisorption and Mercury Porosimetry

Lunch break 13:00 - 14:00

Afternoon session: Presentations by PHOSPORE PhD's & post-docs:

General Intro	14:00 – 14:10
Chandana Chandrian	14:10 – 14:25
Apostolos Fanourgiakis	14:25 – 14:40
Nahal Ghanamnia	14:40 – 14:55

Martina Saitta	14:55 – 15:10
Alessia Tonelli	15:10 – 15:25

Afternoon break 15:25 - 16:00

Dr. Richa Tomer	16:00 –16:20
Jennifer Theissen	16:20 – 16:35
Roberth Mateo Narvaez	16:35 – 16:50
Dr. Nick Gys	16:50 – 17:10
Dr. Elien Derveaux	17:10 – 17:30

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Morning session:

9:00 – 9:50	**Tutorial lecture 5** – Prof. Dr. Sara Bals - UAntwerpen - BEL Operando transmission electron microscopy to investigate structure-property connections of catalytic nanoparticles
9:50 – 10:40	**Tutorial lecture 6** – Dr. Valerie Briois – SOLEIL Synchrotron - FR Millisecond- and micrometer- time and spatial resolutions at the Quick-EXAFS ROCK beamline: Applications in Heterogeneous Catalysis
10:40 – 11:10	**Morning break**
11:10 – 12:00	**Tutorial lecture 7** – Dr. Adam Sapnik - University of Copenhagen – DEN Total Scattering and Pair Distribution Function Analysis for Amorphous Materials
12:00 – 12:50	**Tutorial lecture 8** – Dr. Karolien Peeters – Vito - BEL

Lunch break 13:00 – 14:00

Afternoon:

- 14:00 – 14:50 Tutorial lecture 9 – Dr. Karolien Vanbroekhoven – Vito - BEL- Biorefineries and industrial trends biobased building blocks: what's on the move?
- 14:50 – 16:00 Flash presentation session: 6 minutes per presentation

Dr. Singh Balvinder	Investigating Structure and Gas Adsorption in MOF with 17-O Solid state NMR Spectroscopy
Siene Swinnen	Development of MOF Nanozymes for Proteomics Applications
Dario Allevi	A Monday without catalysts is a high activation energy weekstart
Dr. Timothy Steenhaut	Metal-organic frameworks for gas sorption applications
Elpiniki Chachlaki	Synthesis and chemistry of phosphonates with N-heterocyclic moieties
Sarah Eeckhout	Heterogenizing photocatalysts for greener and efficient organic synthesis

Hilde Lenaerts	Designing metal oxide-based stationary phases for the separation of Ac-225 and Bi-213 for biomedical applications
Vittorio Marsala	Towards the understanding of the formation mechanism of hollow silica nanotubes and nanospheres: an NMR approach
Alwyn Ronald Dsouza	Synthesis of Novel Heterogeneous Catalyst for the Conversion of Carbon Dioxide
Anthony Morena	Understanding the acidity properties of different silica-based materials via 31P ssNMR using TMP as probe molecule

Evening:

- Brussels city walk (guided tour) 16:00 - 18:00

- Visit & Conference dinner at the Belgian Beer museum 18:00 - 20:30

  Address: Boulevard Anspach 80, Brussels

  google maps link: https://maps.app.goo.gl/BK3S1NFZFKB2pkLv6

accommodation suggestions:

- Warwick Brussels: https://www.warwickhotels.com/warwick-brussels
- Ibis Grand Place: https://all.accor.com/hotel/1046/index.en.shtml#section-location
- Motel One: https://www.motel-one.com/nl/hotels/brussel/hotel-brussel/
- Pillows City: https://www.pillowshotels.com/brussels-centre/?gad=1&gclid=CjwKCAjw-eKpBhAbEiwAqFL0mtLSzAOA-1aWAICALgfVL1aZ9pBQLX1qpHlgXWpN36-6K4o7l8wpcRoCWbMQAvD_BwE
- NH hotels grand sablon: https://www.nh-hotels.com/en/hotel/nh-collection-brussels-grand-sablon?campid=8435708

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OJO (omkadering van jonge onderzoekers)

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