Copenhagen 2016

NOBUGS

Practical Information

Frederiksberg Metro
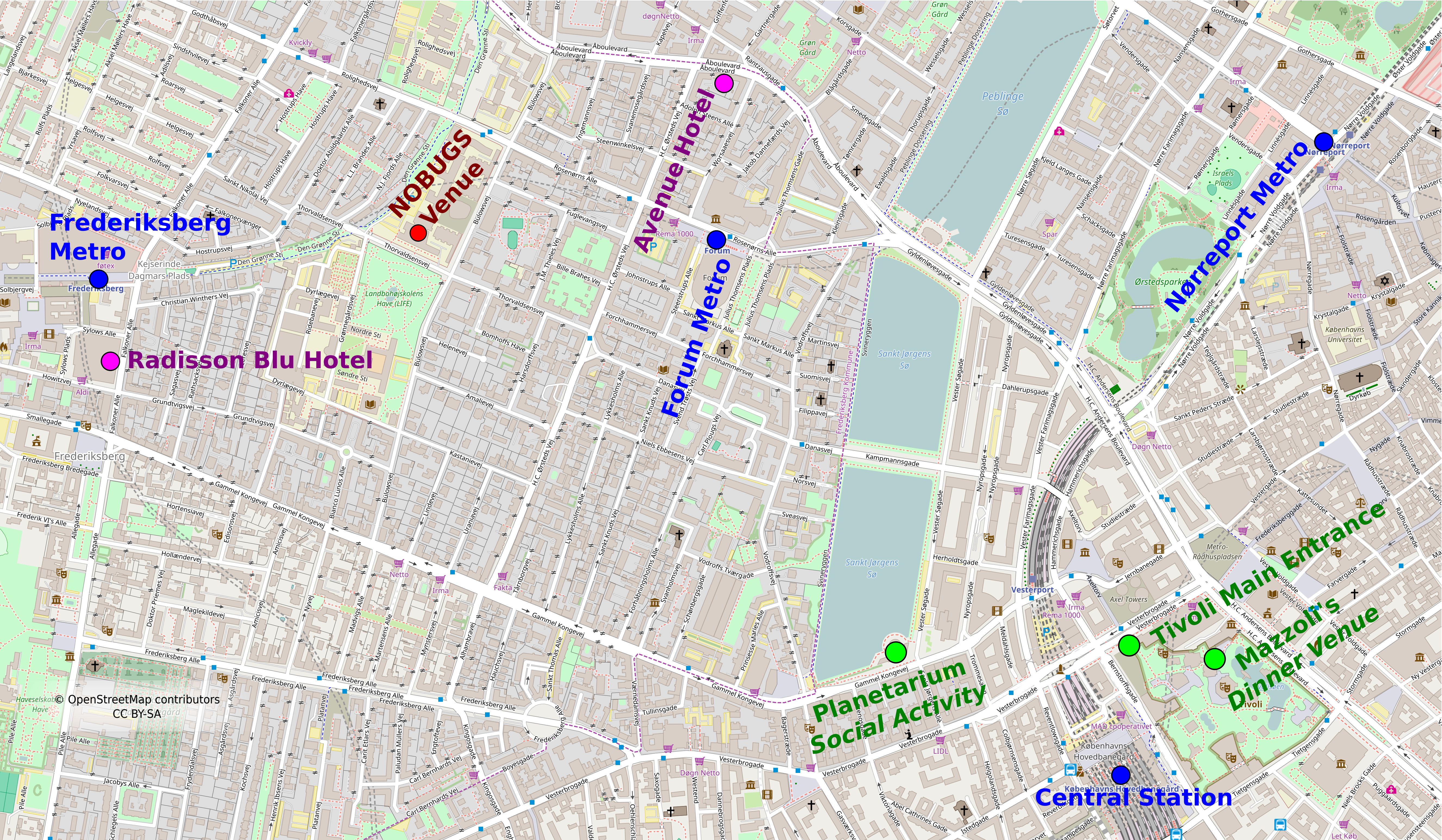
NOBUGS Venue

Avenue Hotel

Radisson Blu Hotel

Forum Metro

Nørreport Metro

Tivoli Main Entrance

Mazzoli's Dinner Venue

Planetarium Social Activity

Central Station

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Rolighedsvej

N

Den Grønne Sti

Rolighedsvej

Shabaz 70 68

18 20 22

2 1

4 3

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6

7

8

9

N.J. Fjords Alle

10

11

11P

13

12

14

17

15

26 28 30

67 65

38C

38A

38

Fugleva

23

36B

Bülowsvej

34B

34 34A
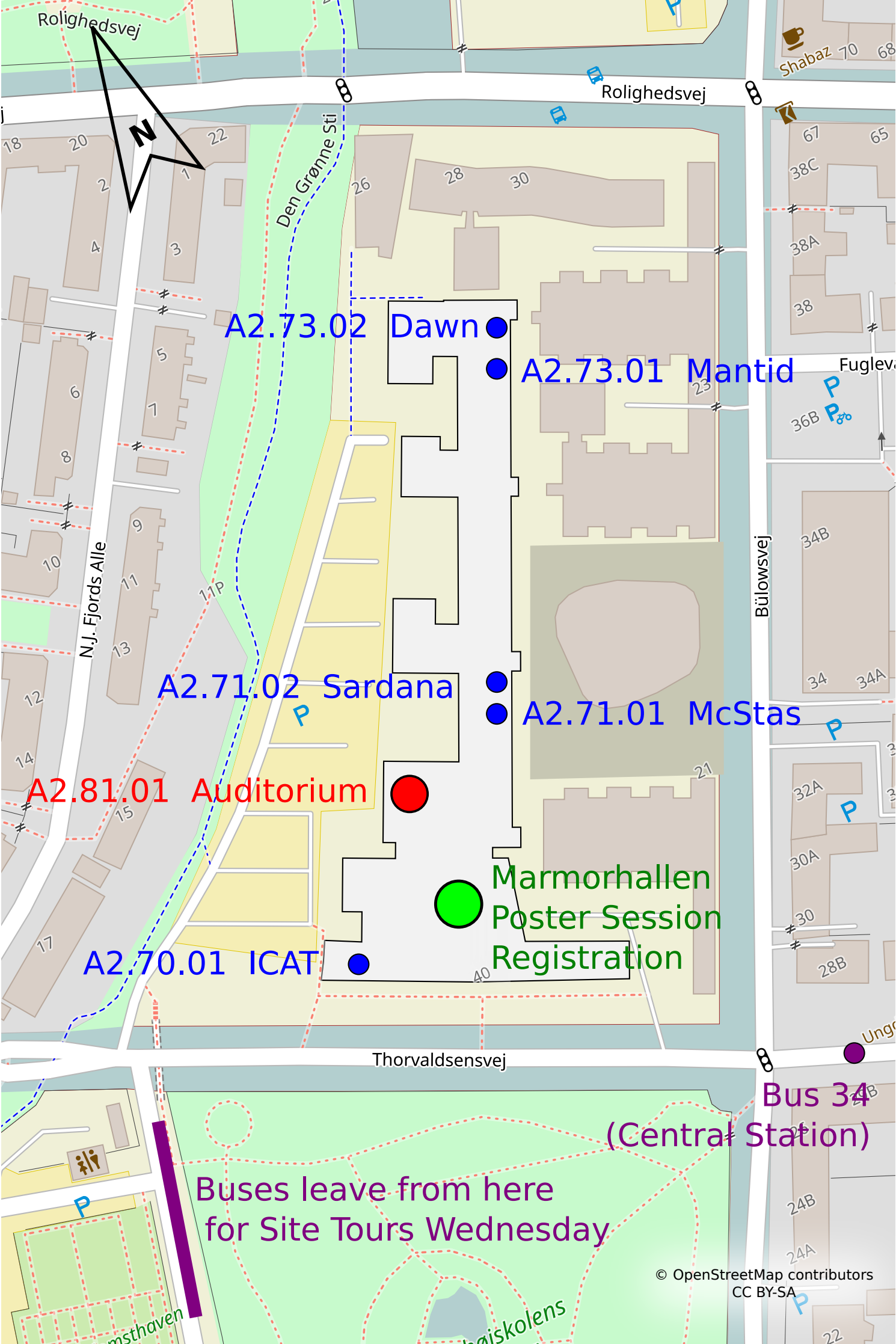
A2.73.02 Dawn

A2.73.01 Mantid

A2.71.02 Sardana

A2.71.01 McStas

32A

21

A2.81.01 Auditorium

30A

A2.70.01 ICAT

40

Marmorhallen
Poster Session
Registration

30

28B

Thorvaldsensvej

Ung

Bus 34
(Central Station)

Buses leave from here
for Site Tours Wednesday

24B

24A

22

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Practicalities

Copenhagen is a city full of cyclists that all are in a hurry. Do not forget to watch your step before you cross any street or cycling lane!

If lost in Copenhagen

If you get lost on your way to or from an activity, please do not hesitate to call the local project planner Petra Aulin (DMSC) +46 721 792 192

Important information for the trip to the ESS construction site and MAX IV (19th of October)

There will be a trip from the conference location in Copenhagen, Denmark to visit the ESS construction site and MAX IV in Lund, Sweden on Wednesday. **For entering Sweden, it is important that you bring your passport, and if you are required to have a visa for visiting Denmark, as long as it is a Schengen visa, it also covers your trip to Sweden. Do not forget to bring it.**

Important information for the Conference Dinner on Tuesday night (18th of October)

We will enjoy a nice dinner in the Tivoli gardens. We will walk to the gardens together after the last session of the day. It is half an hour's walk that some of you might enjoy after a full day inside. Public transportation is also an option. Bus 34 leaves every 15 minutes 150 meters down the street, on the opposite side of the venue. The ride is about 10 minutes and the stop to get off at is "Hovedbanegården, Tivoli (Bernstorffsgade)".

If you rather join directly for the dinner the address is Mazzoli's in the Tivoli garden, Vesterbrogade 3.

To enter the garden you will need a Tivoli entrance pass and this will be provided to you together with your nametag at the onsite registration Sunday afternoon or Monday morning.

There will be time for a stroll in the beautiful garden before sitting down in the restaurant. The welcome drink will be served in Mazzoli's at 7.30 PM.

Internet Access at the venue - Marmorhallen

Marmorhallen is part of Copenhagen University and therefore there is **Eduroam Wi-Fi access** in the building. If you have an Eduroam account you are good to go. If you do not have access to Eduroam, Copenhagen University has a guest Wi-Fi called KU Guest. There is a guide at the end of this document on how to log into the KU Guest WIFI.

Public transportation

In the Copenhagen area, the same ticket can be used on the metro, bus, train and harbour bus. **Always have your ticket with you in case a conductor wants to see it. Travelling without a valid ticket will result in a fine of up to DKK 750.**

You can buy tickets in machines at the airport, train stations and metro stations. Please note that the ticket machines do not accept notes, only coins and cards such as VISA.
If you will take the metro to and from the airport + make more than 4 single rides on the bus/metro during 3 days, we suggest that you buy the City Pass 72-hours. If you believe you will use the bus/metro less than that, we suggest you buy your single trip tickets just before you get on the metro or on the bus. Please note that single trip tickets are only valid for a limited period of time. Travel must begin within the ticket validity and last boarding must be made before the ticket expires.

The City Pass gives you unlimited access to buses, trains, metro and harbour buses in zones 1 - 4, which includes the centre of Copenhagen, Frederiksberg (where the venue is located) and to and from the airport. An adult 24-hour City Pass costs DKK 80 and an adult 72-hour City Pass costs DKK 200. Buy the City Pass online, and receive it as an SMS which can be activated immediately.

On-board the buses in Copenhagen, you have the possibility to buy your ticket from the driver, if you bring small change.

For more information:

http://dinoffentligetransport.dk/service/for-tourists/

Taxi

Taxi fares in Copenhagen are fairly expensive. They are metered and the price includes tips. You can normally pay by credit card. The number for one of the larger Copenhagen taxi companies is: +45 35 35 35 35

How to get to the venue from the train stations

From Nørreport, you can follow the big red 'M' signs to get to the metro station. Tickets for the Metro are available at the Metro station and at the DSB ticket sales counters above ground. The Metro operates at 4-6 minute intervals during the day and evening hours and at 15-20 minute intervals during the night. You can take any metro bound for "Vanløse" and get off at "Frederiksberg station". The travel time from Nørreport to Frederiksberg metro station is 2-5 minutes. The venue is located 600 meters (7 minutes' walk) from the metro station.

From Copenhagen Central station, you can get the bus number 34, bound for Flintholm St, and get off at Bülowsvej (after a 10 minute journey). From the bus stop Bülowsvej, the venue is just 100 meters straight ahead, on the same street as the bus stop, and on the same side of the street. The bus leaves every 15-minutes from the Central station.

How to get to the venue from Frederiksberg Metro Station

The venue is located 600 meters (7 minutes' walk) from Frederiksberg metro station.
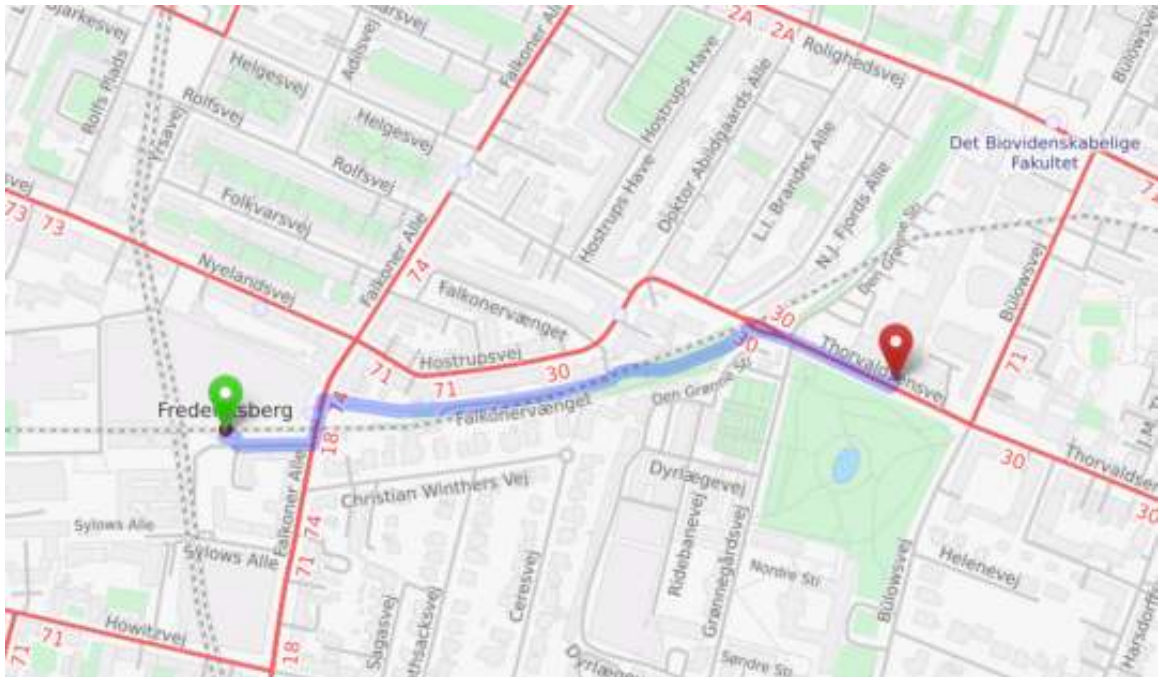
Language

The language of the conference is English. In Copenhagen you will not experience many problems with just using English.

Climate

The average daytime temperature in Copenhagen in October is 10°c (49°F). Average precipitation in October is ~50 mm, and it is quite a windy city.

Credit cards

Credit cards are widely accepted, but a PIN Code is needed, otherwise you have to withdraw money from an ATM that can be found many places, e.g. the Frederiksberg shopping centre, which is located right next to the Frederiksberg Metro station.

Useful External Links

There are quite a few restaurants in the Frederiksberg area (where the venue is located) - especially around the Frederiksberg Metro station and Gammel Kongevej. Here are some external links, in English, with recommendations and information on what to do and where to go when in Copenhagen.

www.visitcopenhagen.com
www.aok.dk
www.whiteguide-nordic.com

KU Guest WIFI Network

Search for KU Guest WIFI network on your PC:

1. Double click the network icon on your screen
2. Double click 'KU Guest'
3. Click on 'Connect' *Opret forbindelse*

Create KU Guest Network Account
1. Please enter the following information
   - Name
   - Mobile number
   - Email address (this will be your KU Guest username)

2. Check the box 'I accept the terms of use'
3. Click on 'register'

Check your password on your mobile phone or email

Open the SMS or email from KU Guest with your password

Log in to KU Guest Network
1. Enter your username *Brugernavn* (email address used to setup guest account)
2. Enter your password *Adgangskode*

3. Check the box 'I accept the terms of use'
4. Click 'log på'

NOBUGS 2016

Sunday 16 October 2016 - Wednesday 19 October 2016

Copenhagen University
Programme

Monday 17 October 2016

Registration - Marble Hall (08:00-09:00)

Welcome Session - Marble Hall (09:00-10:30)

time	title	presenter
09:00	Welcome Addresses	Dr. PETERSON, Peter (Oak Ridge National Laboratory) Prof. MORTENSEN, Kell (Niels Bohr Institute, University of Copenhagen) RICHTER, Tobias (European Spallation Source ERIC)
09:30	Software Development for Movie Production and Rocket Science	Dr. MUSETH, Ken (DreamWorks & SpaceX)

Coffee - Marble Hall (10:30-10:50)

Contributions 1 - Marble Hall (10:50-12:35)

time	title	presenter
10:50	Addressing the Challenges of implementing the ESRF Data Policy	GOTZ, Andy (ESRF)
11:10	The growth of the ICAT family	Dr. FISHER, Stephen M (RAL - STFC)
11:30	Building a Prototype Data Analysis as a Service : the STFC experience	Mr. BARNSLEY, Frazer (STFC)
11:50	Image Data Management System (IDMS)	Dr. REHR, Martin (Niels Bohr Institute, University of Copenhagen)
12:10	Scientific data lifecycle at Elettra-Sincrotrone Trieste	Mr. PRICA, Milan (Elettra)
12:30	High-Performance XPCS Data Reduction using Virtualized Computing Resources	Mr. SCHWARZ, Nicholas (Argonne National Laboratory)

Lunch - Marble Hall (12:35-13:30)

Contributions 2 - Marble Hall (13:30-15:05)

time	title	presenter
13:30	Towards Holistic Data Processing for the User	Dr. GRANROTH, Garrett (Oak Ridge National Laboratory)
13:50	Savu: Tomography reconstruction and processing pipeline.	Dr. WADESON, Nicola (Diamond Light Source UK)
14:10	BDAE: Easy Parallel Scientific Data Analysis	Prof. VINTER, Brian (Niels Bohr Institute, University of Copenhagen)
14:30	ESS View on SasView: Small Angle Scattering data analysis within the SINE2020 project	Dr. POTRZEBOWSKI, Wojciech (European Spallation Source ERIC, Data Management and Software Center)

14:50	Data Processing With DAWN at the Diamond Light Source	Dr. FILIK, Jacob (Diamond Light Source)
14:55	Portable Parallelization with the Bohrium Runtime System	KRISTENSEN, Mads (Niels Bohr Institute, UCPH)
15:00	Virtual NanoLab, an open and commercial graphical user interface for scientific simulation and analysis	Dr. WELLENDORFF, Jess (QuantumWise A/S)

Coffee - Marble Hall (15:05-15:30)

Contributions 3 - Marble Hall (15:30-16:50)

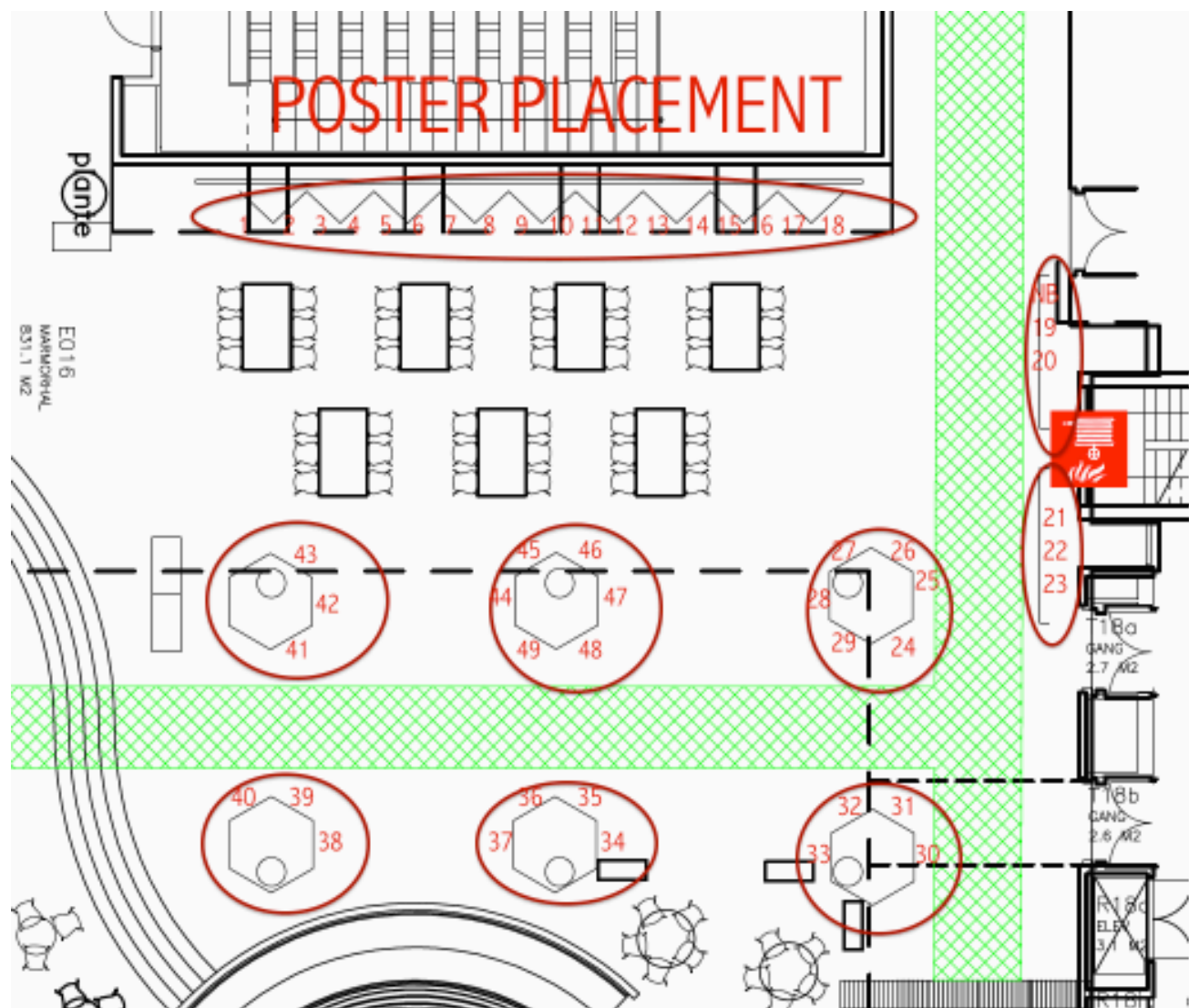| time	title	presenter
15:30	SIMEX: Simulation of Experiments at Advanced Laser Light Sources	Dr. FORTMANN-GROTE, Carsten (European XFEL GmbH, Schenefeld, Germany)
15:50	Integrating software: SASview, McStas and Mantid for powerful virtual SANS experiments	Mr. WILLENDRUP, Peter (DTU Physics)
16:10	Using Docker containers for photon experiment simulations in HPC environments	YAKUBOV, Sergey (DESY)
16:30	Advanced Visualization Capabilities for Neutron Scattering Data	HAHN, Steven (Oak Ridge National Laboratory)

Group Photo - Marble Hall (16:50-17:00)

Posters - Marble Hall (17:00-18:30)

title	presenter	board
Development, testing and deployment of the ESS data aggregation and streaming software	MUKAI, Afonso	38
"Pixelator" Instrument Control and Data Acquisition System for Scanning Spectro-Microscopy	Dr. WATTS, Benjamin	20
Using Docker to Provide Consistent Environments in Development, Testing and Production	Mr. PARKER, Peter	39
Simulating ideal mosaic and/or deformed single-crystal in arbitrary geometry in Geant4	Dr. CAI, Xiao Xiao	27
Event classification and performance diagnostics software for GEM neutron detectors	SHETTY, Martin	30
Chopper Control at the ISIS Pulsed Neutron and Muon Source	Mr. KEYMER, David	45
A New Design for Live Neutron Event Data Visualisation for ISIS and ESS	Dr. AKEROYD, Frederick	21
Maximizing both user autonomy and usability in SpinWaveGenie	Dr. HAHN, Steven	40
Development of a new integrated and streamlined data process at HFIR Bio-SANS	Dr. REN, Shelly	14
The silx toolkit	Dr. SOLE, V. Armando	25
VirtuES - Combining Computation with High Throughput Experiments	Dr. CAMPBELL, Stuart	13
Automatic Neutron Radiography detector focussing and field of view adjustment using image processing algorithms	Mr. MORABA, Evens	17

A novel computational method for X-ray fluorescence data and its deployment in the workflow of a synchrotron beamline	Dr. KOUROUSIAS, Georgios Mr. BORGHES, Roberto	3
Prototype of real-time data analysis at the European Spallation Source	DURNIAK, Céline	32
Recent Progress in the Development of MLF EXP-DB in J-PARC/MLF	Mr. MORIYAMA, Kentaro	35
On-Axis-View: a GUI library to enhance the sample environment control.	CUNÍ, Guifré	46
Automated Pair-Distribution Function Data Processing	Dr. SPAIN, Timothy	6
A new paradigm for data analysis workflows	Dr. KING, Stephen	31
Virtual Instrument Redesign	Mr. ARNOLD, Owen	4
Utsusemi and software applications for the utilization of event-recording data at MLF, J-PARC	Dr. INAMURA, Yasuhiro	44
Python useful features for programming experiment control systems	Dr. KIRILOV, Andrey	43
The unified software package Sonix+. Analysis of development experience	Dr. KIRILOV, Andrey	1
The Design of Distributed data processing at CSNS	Dr. DU, Rong	2
Latest results and features with McXtrace 1.3	Dr. KNUDSEN, Erik	28
New developments in the McStas neutron Monte Carlo ray-tracing package	Mr. WILLENDRUP, Peter	29
Electronic Notebook for Neutron Scattering Experiments	Mr. MANNICKE, David	37
Upgrading RITA2 instrument with 0MQ streaming	Dr. BRAMBILLA, Michele	47
IROHA2: Standard instrument control software framework in MLF, J-PARC	Dr. NAKATANI, Takeshi	48
Graphical user interface and experiment control software at the MX beamlines at EMBL Hamburg	Dr. KARPICS, Ivars	22
Update on neutron imaging functionality in Mantid	Dr. DRAPER, Nicholas	11
Karabo, the Control and Analysis System for the European XFEL	Dr. BROCKHAUSER, Sandor	23
Event Processing Neutron Powder Diffraction Data with Mantid	Dr. PETERSON, Peter	12
Data management system of China Spallation Neutron Source	Mr. TANG, Ming	34
Sample positioning on a diffraction beamline using artificial neural networks	Mr. MARAIS, Deon	15
The WebSonix service for remote instrument monitoring: current state and future plans	Mr. MORKOVNIKOV, Ivan	16
Data Reduction at the ILL: A Comparison Between Mantid and Lamp	Dr. SOININEN, Antti Dr. BUSH, Ian Mrs. REIMUND, Verena Dr. VARDANYAN, Gagik	10
"Manyo-Lib" Object-Oriented Data Analysis Framework for Neutron Scattering	Dr. SUZUKI, Jiro	33
SANS Data Reduction Redesign	Dr. PICCARDO-SELG, Anton	9
Comparing local minimizers for fitting neutron and muon data with the Mantid framework	Dr. MARKVARDSEN, Anders	8
Data Reduction and Simulation for Novel Detector Geometries in Mantid	Mr. MOORE, Lamar	5
RSMap3D: Reciprocal-Space Mapping Software	Mr. SCHWARZ, Nicholas	18
Improved integration volumes for single crystal diffraction	LYNCH, Vickie	7
Using Behavior Driven Development Tools for System Testing	Dr. KOENNECKE, Mark	42
WebGL for MX - real and reciprocal space density in a web interface.	Mr. WOJDYR, Marcin	19

Virtual Research Management Plans at ELI Sites	SCHRETTNER, Lajos GAIZER, Tamás	36
From the Dream to Reality: MX at NSLS2 System Administrator Point of View.	FLAKS, Leonid	24
Data analysis platform in support of a Cryo-Electron Microscopy facility	Mr. SAVAGE, Kevin	26
EPICS Qt GUI Based Applications at the Australian Synchrotron	Mr. MARTIN, Paul	41

POSTER PLACEMENT

Tuesday 18 October 2016

Keynote Tuesday - Marble Hall (08:30-10:10)

time	title	presenter
08:30	Seven Secrets of Maintainable Codebases	Mr. TORNHILL, Adam (Empear AB)
09:30	Publishing is not enough	Dr. PROFFEN, Thomas (Oak Ridge National Laboratory)
09:50	The ILL Joins the Mantid Project	Dr. BUSH, Ian (Tessella / ILL)

Coffee - Marble Hall (10:10-10:40)

Contributions 4 - Marble Hall (10:40-12:20)

time	title	presenter
10:40	MXCuBE 3 web application, on the way to next generation experiment control	Dr. EGUIRAUN, Mikel (Maxlab)
11:00	SwissFEL Beam Synchronous Data Acquisition - A Sneak peek under the hood	Mr. EBNER, Simon Gregor (Paul Scherrer Institute)
11:20	Integration of fast detectors into beamline controls at the GM/CA macromolecular crystallography beamlines at the Advanced Photon Source	Dr. STEPANOV, Sergey (Advanced Photon Source, Argonne National Laboratory, Argonne, IL, USA)
11:40	IBEX - the new EPICS based Instrument Control System at the ISIS Pulsed Neutron and Muon Source	Dr. AKEROYD, Frederick (STFC)
12:00	Programs and techniques based on ROOT package for acquisition and sorting of the list mode data of the neutron detectors	Dr. LITVINENKO, Elena (JINR)

Lunch - Marble Hall (12:20-13:30)

Contributions 5 - Marble Hall (13:30-15:30)

time	title	presenter
13:30	Data Analysis & Management System for China Spallation Neutron Source	Dr. ZHANG, JUNRONG (Institute of High Energy Physics, Chinese Academy of Sciences)
13:50	Web Data Analysis at the Spallation Neutron Source	Dr. FERRAZ LEAL, Ricardo (SNS)
14:10	Advances in High-Performance Data Analysis & Data Management at the APS	Mr. SCHWARZ, Nicholas (Argonne National Laboratory)
14:30	Data Analysis Infrastructure for Diamond Light Source Macromolecular & Chemical Crystallography	Dr. GERSTEL, Markus (Diamond Light Source Ltd)
14:50	Trust and Identity: an implementation of Moonshot and the vision of transparent interworking	Dr. PULFORD, Bill (Dimaond Light Source)
15:10	Recent Developments in the ICAT Job Portal	Dr. RITCHIE, Brian (RAL - STFC)

Coffee - Marble Hall (15:30-16:00)

Contributions 6 - Marble Hall (16:00-17:20)

time	title	presenter
16:00	DonkiOrchestra: a scalable system for data collection and experiment management based on ZeroMQ distributed messaging	Mr. BORGHES, Roberto (Elettra Sincrotrone Trieste)
16:20	Multi Sample Workflow	Mr. MANNICKE, David (ANSTO)
16:40	Generic Mapping Scans at Diamond Light Source	Dr. BASHAM, Mark (Diamond Light Source)
17:00	Data acquisition and analysis software at the Swiss Light Source macromolecular crystallography beamlines	Dr. WOJDYLA, Justyna Aleksandra (Paul Scherrer Institut)

Conference Dinner - Mazzoli's Caffè & Trattoria (19:30-22:30)

Wednesday 19 October 2016

▌ Keynote Wednesday - Marble Hall (08:30-10:00)

time	title	presenter
08:30	The Small Potato Collider (or how to solve a multidisciplinary problem using a modular camera)	Dr. RIBALDA DELGADO, Ricardo (Qtechnology A/S)
09:30	Social sourdough - Twitter as an experiment control user interface	WEDEL, Michael (European Spallation Source ERIC)
09:50	Safety systems at the SAFARI-1 Neutron Diffraction Facility	Mr. MARAIS, Deon (Necsa SOC Limited)
09:55	The State of NeXus	RICHTER, Tobias (European Spallation Source ERIC)

Coffee - Marble Hall (10:00-10:30)

▌ Contributions and Conference Closing - Marble Hall (10:30-12:00)

time	title	presenter
10:30	Community Driven Scientific Software Projects: Lessons Learned on Tools and Practices	Mr. PASCUAL-IZARRA, Carlos (Alba Synchrotron)
10:50	Communicating within a Distributed Team	Dr. PETERSON, Peter (Oak Ridge National Laboratory)
11:10	Test Driven GUI Development	ALVAREZ, Raquel (ISIS, STFC)
11:30	Plankton: A Stateful Device Simulation Framework	Mr. HART, Michael (STFC)
11:35	ESS Event Data Streaming	Dr. JONES, Matthew (STFC, Tessella)
11:40	Virtual Large Facility for Experiment-based Structural Biologists	Dr. CROMPTON, Shirley (Science and Technology Facilities Council)
11:45	Conference Close	

Busses to Lund - Marble Hall (12:00-13:30)

▌ MAX IV and ESS site tours - ESS and MAX IV (13:30-16:00)

Busses back to the Airport and Copenhagen - (16:00-18:00)