

# Welcome to the 1st Terascale Machine Learning School 2018!

## 1st Terascale School on Machine Learning

22 - 26 October 2018

DESY, Hamburg

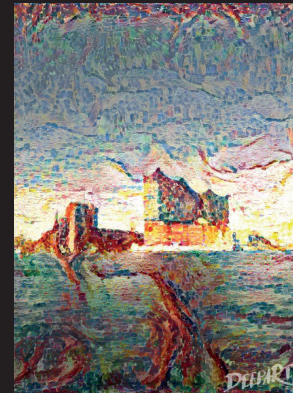
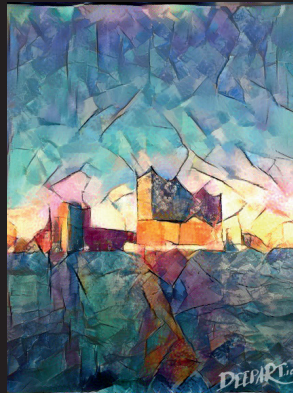
### Lectures on machine learning:

- Introduction to ML
- Introduction to Deep Learning
- Advanced topics in Deep Learning
- Latest developments and new challenges in the field
- ML outside HEP

### Tutorials:

- TMVA
- PyTorch
- Keras and Tensorflow

Thursday afternoon will be reserved for a ML challenge.



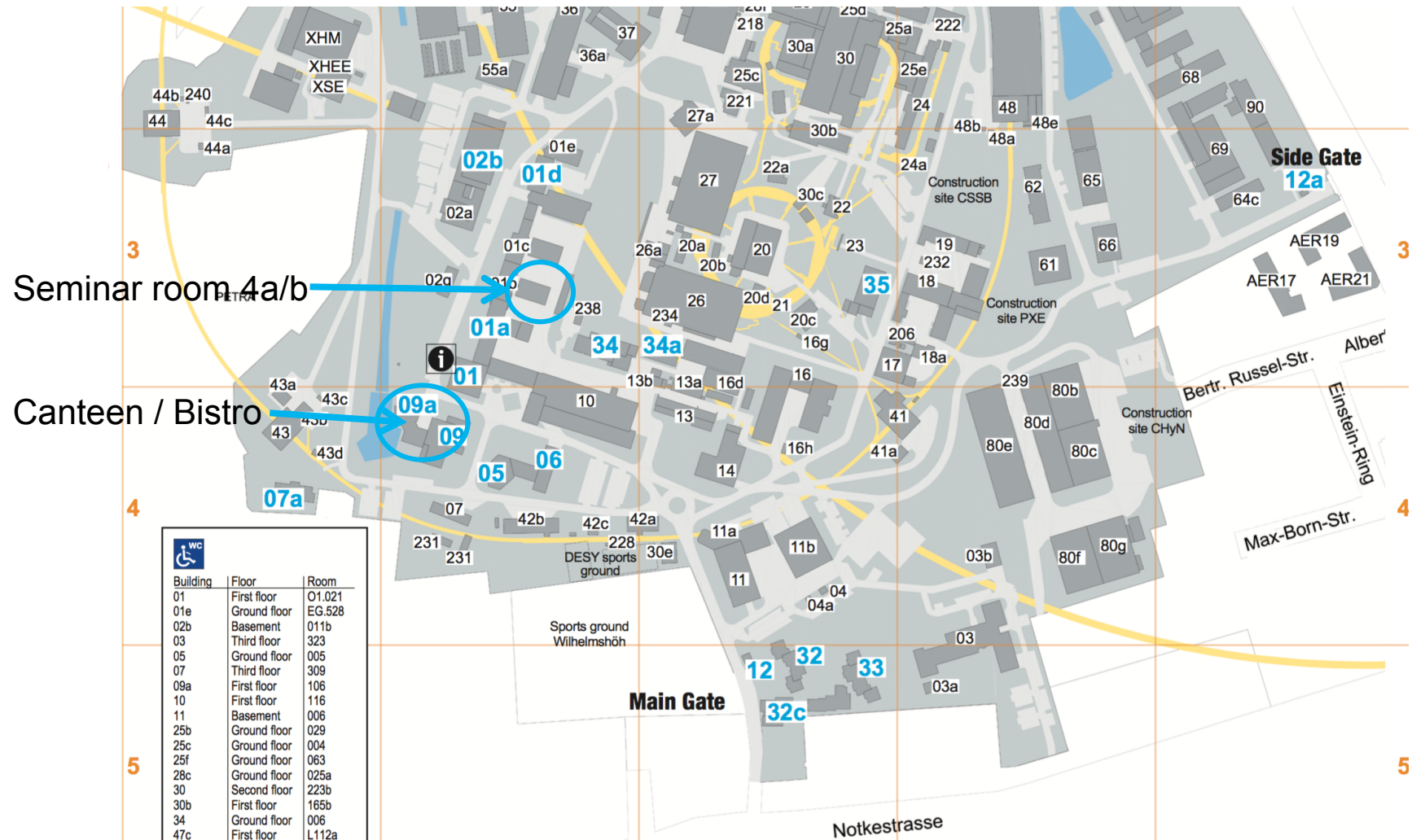
### Speakers:

Simone Frintrop  
Gregor Kasieczka  
Dirk Krücker  
Gilles Louppe  
Benjamin Nachman  
Fedor Ratnikov  
Andrey Ustyuzhanin

### Tutorials:

- Lorenzo Moneta
  - Dirk Krücker
  - Adam Elwood & Christian Contreras Campana
- Challenge: Gregor Kasieczka

# Where to go



# Internet

We set up a special WLAN for the school, please use this one:

- > Name: Terascale MLS
- > WPA/WPA2-PSK: iuth9shie3Ah

... or, if you have an account, you might also use eduroam.



# School-accounts on the NAF

- > Most of you are already provided with a login name to work on the German NAF on special prepared login nodes in the pre-school this morning, if you haven't got any, contact us in the break to receive a login
- > If you have a DESY account already, you can in principle also use this, but please use the school computers, since the software is set up there
- > From Tuesday – Friday you will get your own Amazon Cloud Instance with DL software preinstalled (more tomorrow)



# Evening talk and school dinner

- > On Wednesday evening we will have an evening talk at 18:00 from Andrey Ustyuzhanin (Yandex):
  - **Networked data-science for research, academic communities and beyond**
- > followed by a dinner in the Canteen at 19:00



# Challenge

- > We have prepared a challenge for you to work on during Thursday afternoon (and maybe evening 😊)
- > The best groups are asked to present their solution on Friday morning

