DESY Summer Student Program 2019



Orga-Team: Olaf Behnke, Doris Eckstein, Rainer Gehrke, Andreas Przystawik, Ute Micheelsen, Andrea Schrader

The 88 Summer students at DESY Hamburg come from 24 Nations

- Algeria, Armenia, Austria, Czech Republic, China, Cuba
- Egypt, France, Germany, India, Ireland, Italy, Mexico,
- Nigeria, Poland, Russia, Slovakia, Slovenia, Switzerland
- Spain, Thailand, Turkey, United Kingdom, Ukraine

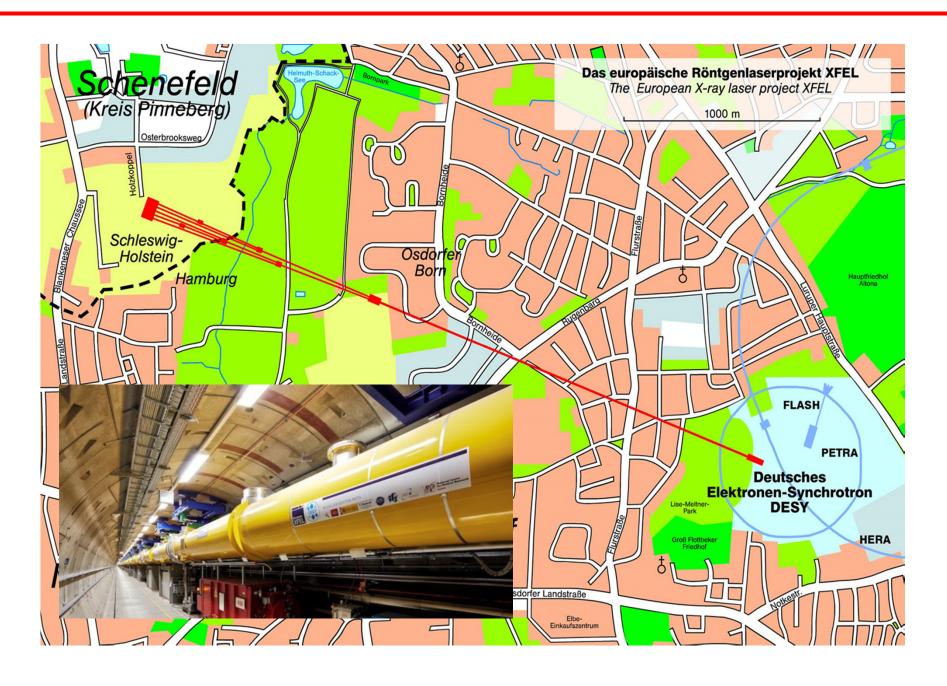
NICE TO MEET YOU!

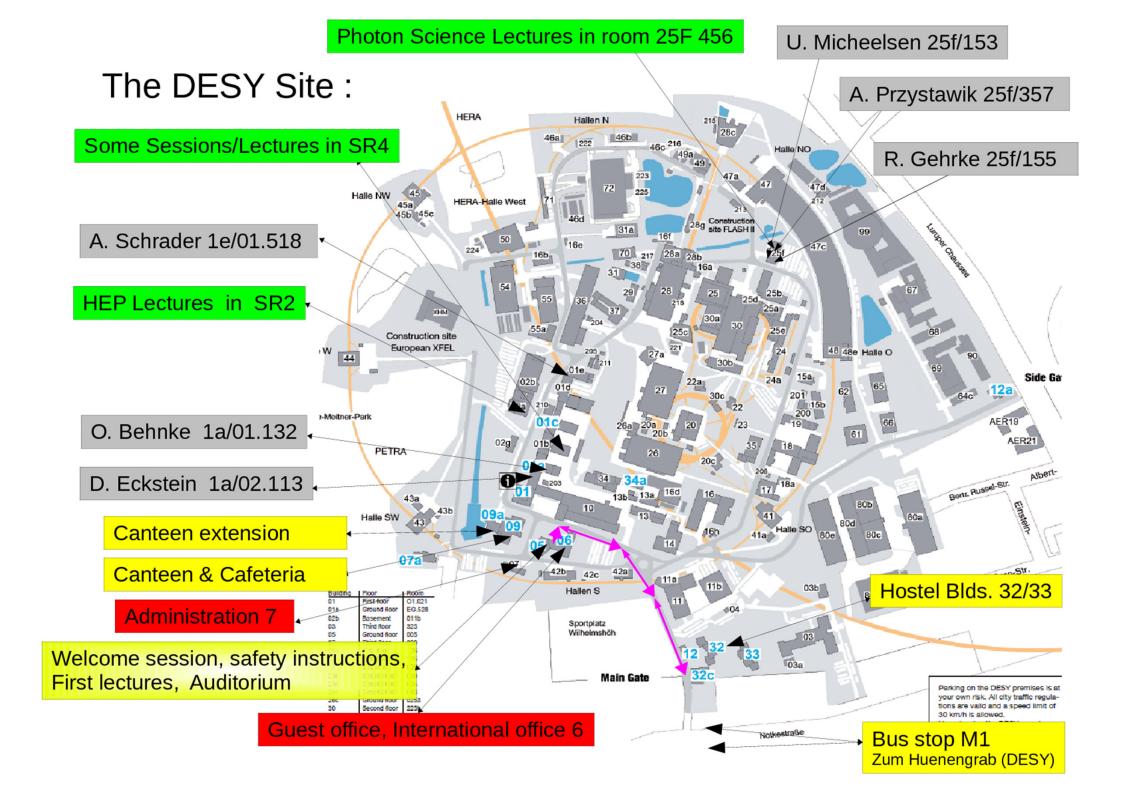
DESY Site at Hamburg



We are HERE now

DESY and XFEL





Organisers (core team)

- Olaf Behnke, Doris Eckstein, Andrea Schrader ← HEP (B)
- Rainer Gehrke, Andreas Przystawik, Ute Micheelsen

Photon Science (A)

For all communications with us, please write to summie-org@desy.de

Your Research Projects at DESY

Program A:

Experiments with Synchrotron Radiation (Photon science)

- engage in fundamental and applied research in physics, biology, chemistry, crystallography, material and geological science.
- Some few students will work in the European XFEL project.

Program B:

Research in Elementary Particle Physics (High energy Physics)

- experiments ATLAS, CMS, FLC (international linear e+e- collider), Belle II, ALPS II at DESY
- Accelerator: e+e- linear collider, plasma wake field
- Theory: Collider phenomenology (QCD, Higgs, etc.)
- Scientific computing: grid, cloud, ...

Project work in local groups

- You will be picked up later by your supervisor(s)
- Your supervisor is your most important contact person at DESY (you can ask her/him almost anything)
- In case of questions related to your work ask your supervisors or the group secretaries

What you can expect and recommendations

 You will be fully integrated into your research team and work like a "normal" DESY researcher, 39h per week (including lectures)



not shy, ask your supervisors or other members of your team for help and advise, give feedback, participate in group meetings and present your results

 At the end you will write/deliver a ~10 pages write-up of your project work (with help by supervisors)

Computing infrastructure at DESY

- DESY has its own computing centre in bld. 2B (worth a visit)
- At the hostel use following WLANs:
 - DESY Guest Net (a bit slow, easy registration with web interface)
 - Eduroam (you have to register)
- Software: For Mathematica, Matlab and Origin DESY has only a limited number of licenses:
 - Discuss any needs with your supervisor
 - Run only one process at a time and finally close the program

Lecture programme

- By DESY researchers
- Provide background on DESY scientific research

July 16-23 (and august 7, 9 and 16): Common lectures

https://summerstudents.desy.de/hamburg/lecture_programme_general_and_high_energy_physics_2019/

From 24th july on:

Separate lectures for Particle Physics (B1-B6) students

https://summerstudents.desy.de/hamburg/lecture_programme_general_and_high_energy_physics_2019/

Separate lectures for Photon Science (A) students

http://photon-science.desy.de/news__events/summer_students/lectures/program_2019_photon_science___sr/index_eng.html

Check regularly above webpages for programme updates!

Communication

via email and web

We will use email list summies2019@desy.de

for all announcements (contains your & orga team email addresses). You may also write important announcements to this list

check your emails daily!

Facebook page: do you want/need one? Last year we had a page https://www.facebook.com/groups/274292339802106/ for exchange of social messages, but it was not really used and students communicated via WhatsApp or other social media

Main page

http://summerstudents.desy.de/hamburg/

Message board:

http://www.desy.de/f/students/summer_home_2019.html

Special events and announcements

- Tuesday 16 July, 10:15-11:15, DESY auditorium building 5: Opening Session Welcome talk and personal Check-In with the DESY summerstudent team, please bring all the necessary documents mentioned in <u>Administrative procedures</u> with you.
- Travel reimbursement: Please hand in the reimbursement sheet at the DESY travel department: C. Tornau, and K. Koch, bld 7/401, Opening hours: tu - th, mornings and afternoons
- Tuesday 16 July, 18:30 22:30, DESY Canteen Extension bld. 9:
 Welcome Dinner with buffet and drinks
- Wednesday 17 July at 11:15, stairs at entrance to foyer of DESY auditorium: A photo of the summer students will be taken after the first lecture.
- Thursday 18 July, 6.00-7.30 pm, bld. 1b, SR4 (see map): Start of/and registration for German language course, voluntary, for interested persons. From the 2nd week on: Beginners (Advanced) courses on tuesdays (thursdays), 6.00-7.30 pm. Please find all info at German Language courses
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- Friday 16 August ~18:30-22:30, canteen extension and terrace: Barbecue ponsored by <u>PIER</u>
- Thursday 5 Sep 9:30 16:00, SR4:
 Final Students Session, Course Review

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Please take note of limited opening times. For summies paid in cash: hand in the sheet by tomorrow to get payment by end of july.

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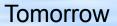
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DESY Tour

Please register by this friday for DESY tours:

- Jul 22:

https://indico.desy.de/indico/event/23669

- Jul 23:

htpps://indico.desy.de/indico/event/23770

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Official announcements for the DESY summer students will be made here. Please read and react. All places mentioned in the following can be found on the <u>DESY Hamburg map with marked places</u> (or see the <u>full map</u>).

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Last day

Life on the DESY campus

Practical information on the DESY campus:

→ DESY booklet

http://guest-services.desy.de/e56138/Booklet_eng.pdf

Printed version in your welcome bag :-)

Life in the DESY Hostel – few hints

 Missing equipment (kitchen, cleaning, etc.) or other requests/complaints → don't hesitate to email hostel.service@desy.de (or visit them in their office 06/118)

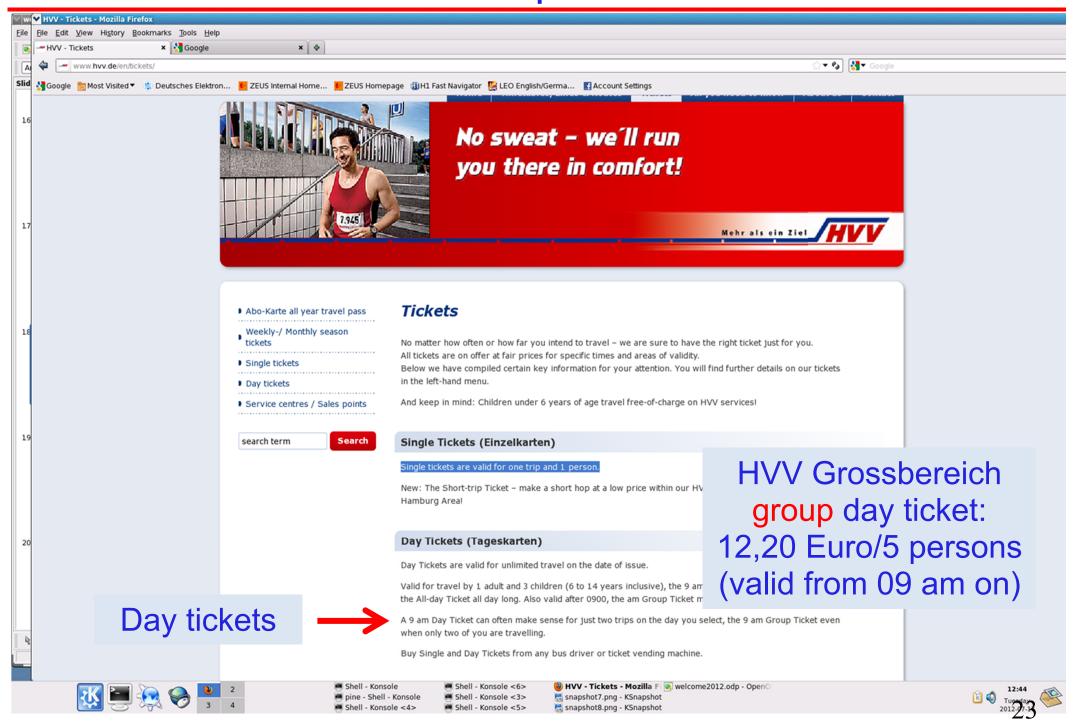
Weekly laundry change: Wednesday 09:30-17:00
 if lectures in the morning → do it during the afternoon

 DESY salary payment end of August and in September: hostel accommodation costs are deduced so total amount of paid out money may appear to be not so high

Public transport routes/schedule

www.hvv.de/en/index.php

Public transport Tickets

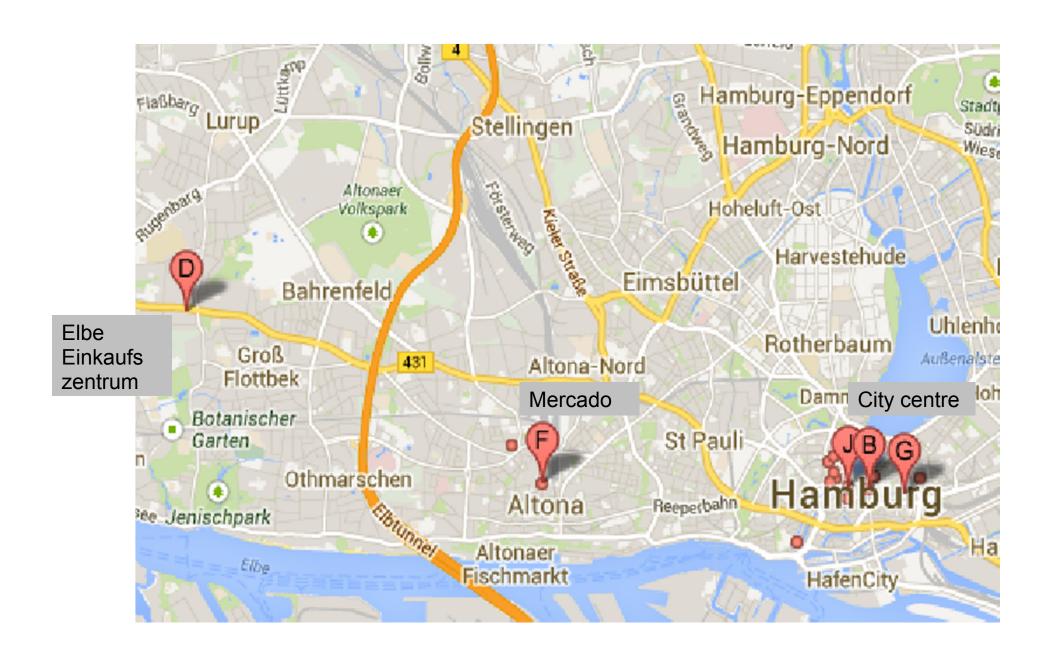


Some (cheap!) supermarkets nearby

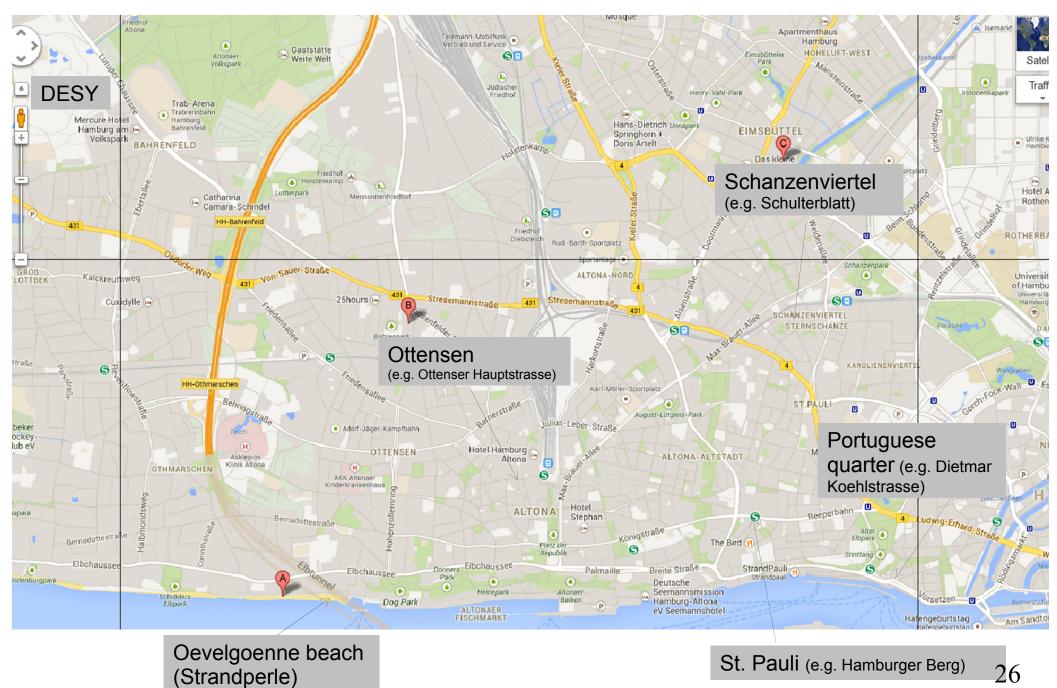


Weekly market: we + sa 08-13 → fresh products (more expensive)

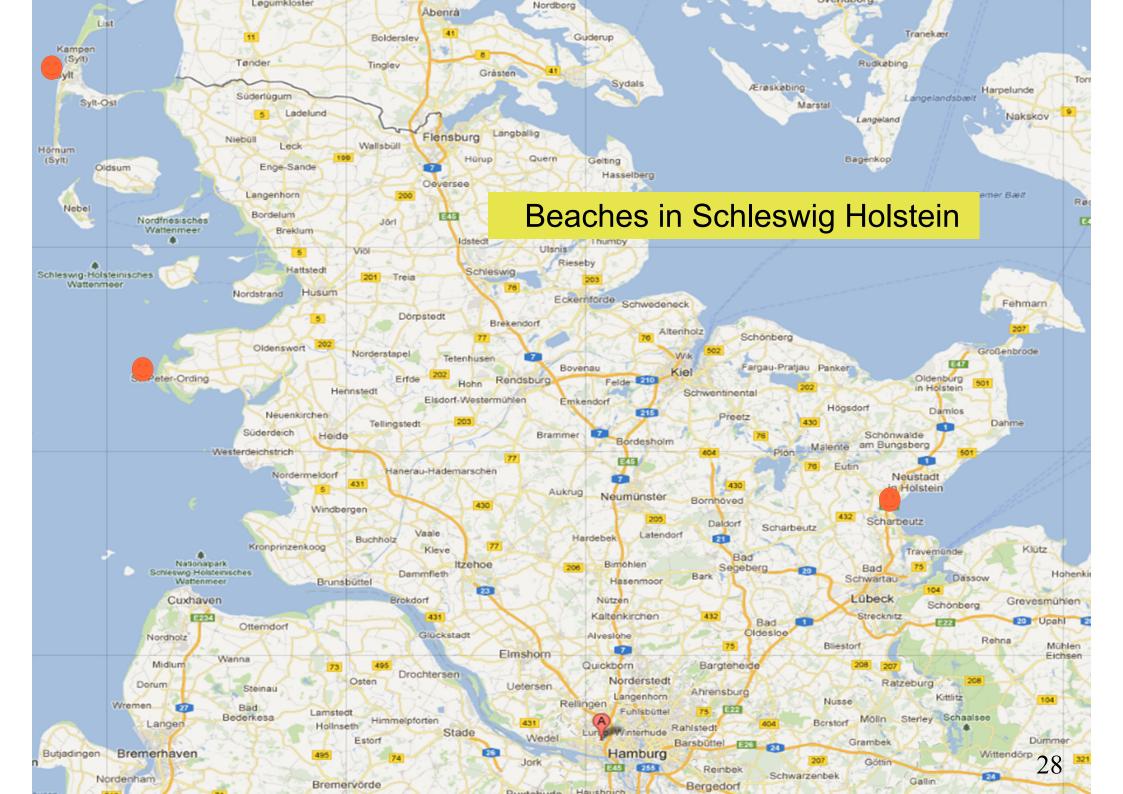
Shopping centers (selection)

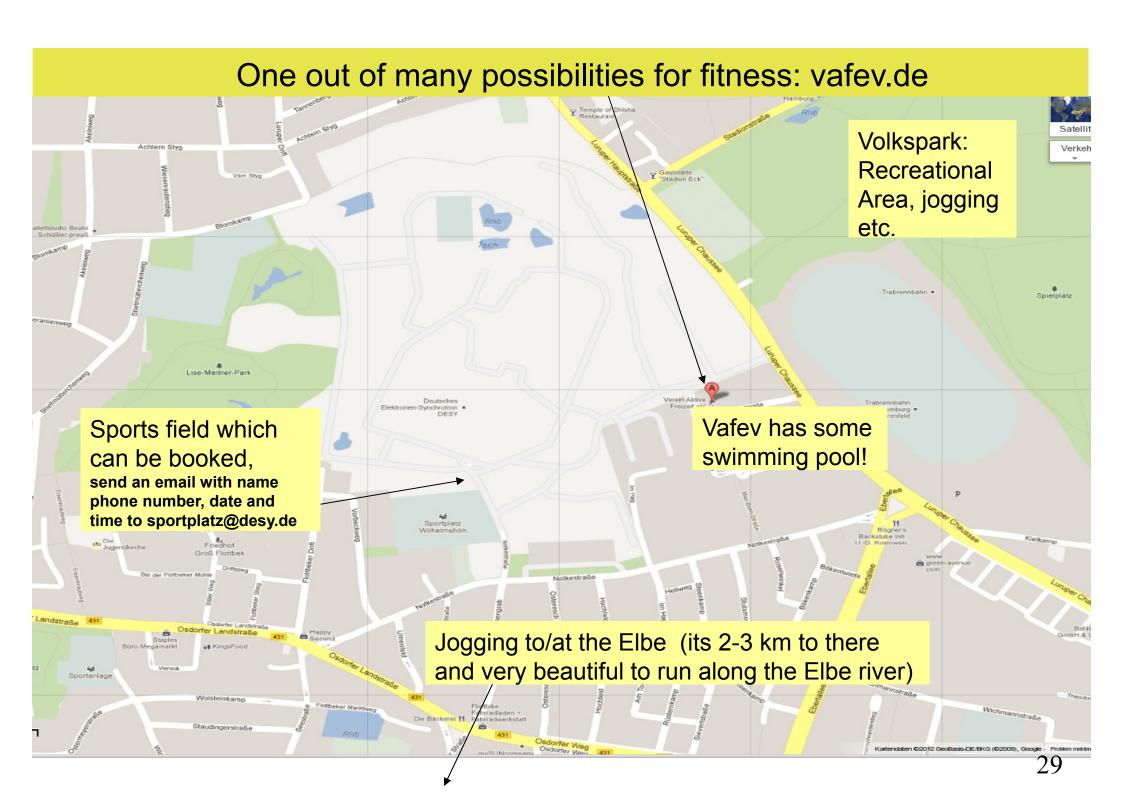


Cool places, Dinner, Nightlife



Uetersen Sports: swimming pools in Hamburg: google 'Hamburg Schwimmbad' Langenhorn Appen-Unterglinde Pinneberg Rellingen Volksdorf Ellerbek A Haselauer Moor Wellingsbüttel Fuhlsbüttel Schnelsen Flughafen Farmsen Halstenbek Golfclub Ohlsdorf Hamburg-Holm Waldenau **Groß Borstel** Eidelstedt Lokstedt Rahlstedt Stadtpark Eppendorf Lurup Barmbek-Nord Stellingen Hamburg-Nord Tonndorf Sülldorf Volkspark Schleswig-Hol Rissen Harvestehude Iserbrook ♠ Wadpark Marienhöhe Barsbütte Eimsbüttel Golf-Club eV Groß Altona-Nord Wittenbergener Flottbek Heidel Naturschutzgebiet Viedersachser Neßsand Hom Ottensen Hamburg Altona Neßsand Klostertor Hammerbrook L94 Oststeinbek Eischmarkt HafenCity Finkenwerder Billstedt Rothenburgsort Steinwerder Waldpark Kleiner Steinfuhrt Grasbrook Waltershof Naturschutzgebiet Billbrook Ladekop Oster Veddel Neuenfelde Ladekop Reiherstieg Estebrügge Francop NSG Boberge Brakenburg Billwerder Wilhelmsburg E45 Rübke Tatenberg Wasserpark A Dove-Elbe Allermôhe Neugraben - Fischbek Naturschutzgebiet Heuckenlock Naturschutzgebiet Ochsenwerder





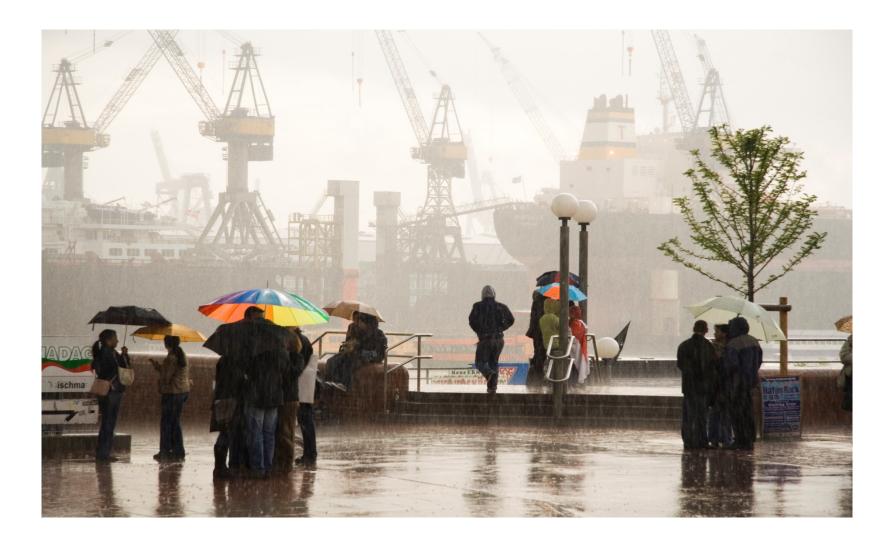
Dit & Dat

- Bikes: at DESY there is a Stadtrad station http://stadtrad.hamburg.de
- Discover Hamburg with a boat take ferry line 62, you can use standard public transport tickets



 Drinking water: in Germany you can drink the water from the tab, it has highest purity, better than mineral water, no need to boil it

We have to talk about ...



- The picture file is named "Typical_Hamburg_weather.jpg"
- Weather can change quickly here, please check weather forecasts, e.g. search for "wetteronline.de Hamburg"

Typical Hamburg Dishes







Rote Gruetze mit Vanillesauce

Next steps today

Registration in Foyer:

- General check-in (if you have not yet done it) and get your welcome bag (all)
- Personnel Department (all)
- International office (all non-german citizen)
- Travel Reimbursement
 - Today: ask questions
 - During next days/weeks: hand in filled form + receipts (at bld. 7/401)

Tip: visit first the person with the shortest queue of waiting students

- ~10h50 Meet your Supervisor in the foyer, chat, visit workplace
- 14h00 Library introduction (here in auditorium)
- 14h30 Safety instructions for all B1-B6 students (here)
 - Sign attendance sheet during session

Do not forget to join the Welcome Party 18:30 in the DESY Canteen extension

In your bags:

Voucher for a T-shirt

Pick up at PR

Only for Summies

Voucher for one T-Shirt per Summer Student 2018 – to be redeemed at PR, Building 1/01.002 Gutschein für ein T-Shirt pro Sommerstudent 2018 – einzulösen bei PR, Geb. 1/01.002



utschein 2018 | Voucher 2018

