

## GridKa School 2015

September 07-11

Thomas Hartmann | 2015.Sep.07

# GridKa School 2015

## Big Data Virtualization Modern Programming

# GridKa School 2015

Big Data Virtualization Modern Programming

## Broad range of topics

- cloud computing
- networking
- data analysis
- programming techniques
- virtualization
- data storage
- administration
- large scale data handling

## Morning sessions

- plenary talks
- *Gaede Hörsaal* lecture hall:

## Afternoon sessions

- workshops and tutorials
- seminar rooms

[gridka-school.scc.kit.edu](http://gridka-school.scc.kit.edu)

GridKa School 2015  
Big Data Virtualization Modern Programming

## Dense schedule

- 17 plenary talks
- 21 parallel workshops
- >40 tutors and speakers

## Speakers & Tutors



**GridKa School 2015**  
Big Data Virtualization Modern Programming

## Contributions from many institutions

- KIT (SCC, LSDMA, SDIL, KCETA, I/EKP, IAI, IMK)
- CERN
- DESY
- STFC
- C. Uni Madrid
- Uni Pisa
- UNICORE
- EUDAT
- DWD
- Inovex
- Cloudera
- IBM
- Hitachi
- NEC
- AWS
- SAP





## Computing resources

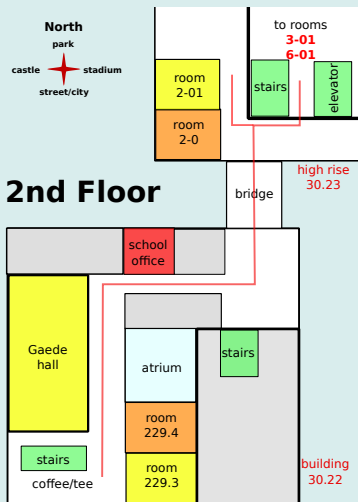
- OpenStack *cloud* on two racks
- 100 hypervisors with 800 cores and 1.5TB total memory
- /22 subnet
- VMs at DESY
- GPU cluster at IPE

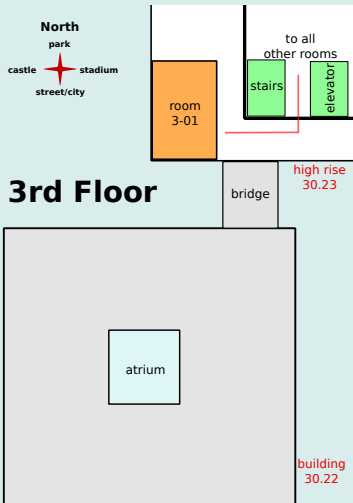
## School racks





- low-rise building **30.22**
  - lecture hall: *Gaede Hörsaal*
  - seminar rooms: **229.3, 229.4**
  - school office: **F2-16**
  - **coffee&tea** near the stairs
- high-rise building **30.23**
  - seminar rooms: **2.01, 2.1**
  - bridge between 30.22-30.23
  - escalators next to the stairways





- high-rise building **30.23**
  - seminar rooms: **3.1 / 6.1**
  - escalators next to the stairways

## Lunch: *Mensa*/cafeterias

- rechargeable cards for payment (with deposit)
  - available at Mensa charging terminals or in the school office
- *Mensa*: three lines with meal components to combine: [menue](#) [↔]
- *Curry Queen*: sausage parlor
- several cafeterias on the campus: small snacks, cakes,...

## Lunch: *Mensa*/cafeterias

- rechargeable cards for payment (with deposit)
  - available at *Mensa* charging terminals or in the school office
- *Mensa*: three lines with meal components to combine: [menue](#) [↔]
- *Curry Queen*: sausage parlor
- several cafeterias on the campus: small snacks, cakes,...

## Lunch: fast food stalls

- various fast food stalls at *Kronenplatz*
- near to the tram stop
- kebabs, bakeries,...

## Lunch: *Mensa*/cafeterias

- rechargeable cards for payment (with deposit)
  - available at *Mensa* charging terminals or in the school office
- *Mensa*: three lines with meal components to combine: [menue](#) [↔]
- *Curry Queen*: sausage parlor
- several cafeterias on the campus: small snacks, cakes,...

## Lunch: fast food stalls

- various fast food stalls at *Kronenplatz*
- near to the tram stop
- kebabs, bakeries,...

## Coffee & tea

- during the morning & afternoon breaks
- in front of *Gaede Hörsaal*





## Tuesday: tarte flambee evening

- Tuesday evening from 18:30
- in the courtyard of building 30.22
- gather around tarte flambees, drinks and chats
- visit to the server room of SCC Campus South
  - meet at 18:30 at the stairs on the ground floor below Gaede HS



## Wednesday: school photo

- group photo with all participants
- meet **after the morning session** at the stairs below Gaede HS

## Thursday: school dinner

- Tuesday evening from 20:00
- at hotel Leonardo in Karlsruhe  
*Südstadt* near the main station/zoo



## Daily questionnaire

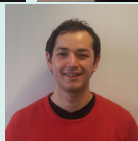
- a questionnaire per day
- no registration, logs,...
- we are looking forward for your opinion



## If **you** have questions?

- ask the GridKa school team for help
- come to the school office
- mail to [gridKa-school@scc.kit.edu](mailto:gridKa-school@scc.kit.edu)

## Teamwork of more than 20 people



...

# Many thanks to Pavel!

## Our organizer for many GridKa Schools



**GridKa School 2015**  
Big Data Virtualization Modern Programming

An interesting and fun school week!

