



### 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

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Thomas Hartmann GridKa School 2015 2015.Sep.07 2 / 15

# **Speakers and Tutors**



#### Dense schedule

- 17 plenary talks
- 21 parallel workshops

>40 tutors and speakers

# Speakers & Tutors



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### **Collaborations**



### Contributions from many institutions

- KIT (SCC, LSDMA, SDIL, KCETA, I/EKP, IAI, IMK)
  - CFRN
  - DESY
  - STFC
- C. Uni Madrid
- Uni Pisa
- UNICORE

- **EUDAT**
- DWD
- Inovex
- Cloudera
- **IBM**
- Hitachi
- NEC
- **AWS**
- SAP























### School infrastructure



# 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 location**



# KIT Campus South: Department of physics

- buildings 30.22 & 30.23 (department of physics)
- 30.22: low-rise building
- 30.23: high-rise building
- school office: near the bridge between both buildings
- lecture hall: Gaede Hörsaal



school office: stop by for printing, questions, help,...

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# School rooms



#### 2nd/main floor

low-rise building 30.22

lecture hall: Gaede Hörsaal

seminar rooms: 229.3, 229.4

school office: F2-16

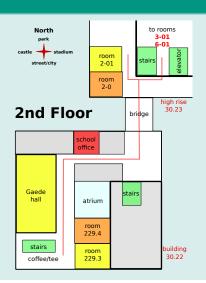
coffee&tea near the stairs

high-rise building 30.23

seminar rooms: 2.01, 2.1

bridge between 30.22-30.23

escalators next to the stairways



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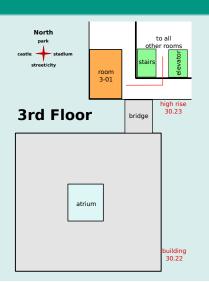


# School rooms



# 3rd/6th floor

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



# Lunch, coffee&tea breaks



#### Lunch: Mensa/cafeterias

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

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#### Lunch: fast food stalls

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

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#### Coffee & tea

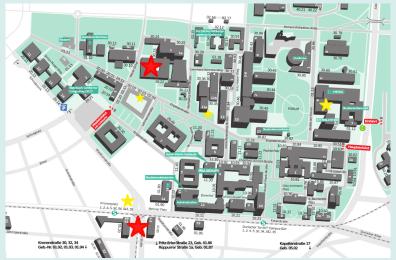
- during the morning & afternoon breaks
- in front of Gaede Hörsaal

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# Lunch map



# Mensa, cafeterias, food stalls at Kronenplatz



2015

# Social program: tarte flambee & photo



### 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

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# Social program: school dinner



# Thursday: school dinner

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



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# **School survey**



# 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

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### **GridKa School Team**



# Teamwork of more than 20 people



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# Many thanks to Pavel!



# Our organizer for many GridKa Schools



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### GridKa School 2015



# An interesting and fun school week!



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