



# Advanced Course: High Performance Computing (HPC) *in Baden-Württemberg*

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Karlsruher Institut für Technologie



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## Before we start:

- Reboot desktop computer to linux
- Login desktop computers with course account and password
  - Account: `ugcne`
  - Password: `XYZ890.!`
- Fill the list of attendance
  - Get access to reserved compute resources on bwUniCluster for workshop
- Resource reservations:
  - for 1-node jobs:

```
msub -A workshop -l advres=workshop_single.50
```
  - for multinode jobs:

```
msub -A workshop -l advres=workshop_multi.51
```

# Where to get the slides and exercises?

- [http://indico.scc.kit.edu/indico/e/bwhpc\\_course\\_2017-10-11](http://indico.scc.kit.edu/indico/e/bwhpc_course_2017-10-11) or [uc1:/pfs/data1/software\\_uc1/bwhpc/kit/workshop/2017-10-11](uc1:/pfs/data1/software_uc1/bwhpc/kit/workshop/2017-10-11)

- Slides
- Exercises

Überblick / Overview

Agenda

Registrierung / Registration

Formular / Form

Das Steinbuch Centre for Computing (HPC) in Baden-Württemberg

"Hochleistungsrechnen" (zukünftigen) Nutzen  
Landesforschungshochschule  
Zugang und Nutzung  
vormittags an Einstiegsworkshop  
Teilnehmerzahl (35)

The Steinbuch Centre for Computing (HPC) in Baden-Württemberg  
(bwUniCluster, bwUniStuttgart)  
about access and use of the system  
morning beginners workshop  
limited to 35. No cost.

Starts 6 Dec  
Ends 6 Dec  
Europe/Berlin

Slides exercises

# Course Agenda – October 11<sup>th</sup> 2017

Time	Presenter	Title
10:00	S. Shamsudeen	Adv. topics - Usage of bwHPC & ForHLR clusters
10:45	R. Barthel	Advanced Bash Scripting + exercises
12:00		<i>Lunch Break</i>
13:00	R. Barthel	Advanced Job Scripting + exercises
14:15		<i>Break</i>
14:30	F. Lebeau	Allinea DDT Debugger Tutorial
16:15		<i>End</i>