



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

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UNIVERSITÄT
HEIDELBERG
ZUKUNFT
SEIT 1386

Hochschule
für Technik
Stuttgart



Hochschule Esslingen
University of Applied Sciences

Universität
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Universität Stuttgart

EBERHARD KARLS
UNIVERSITÄT
TÜBINGEN



KIT
Karlsruher Institut für Technologie



ulm university universität
uulm



Before starting:

- List of attendance
 - Sign your name on list
 - Add your university account
 - Why? To include your account to access compute node reservation on bwUniCluster

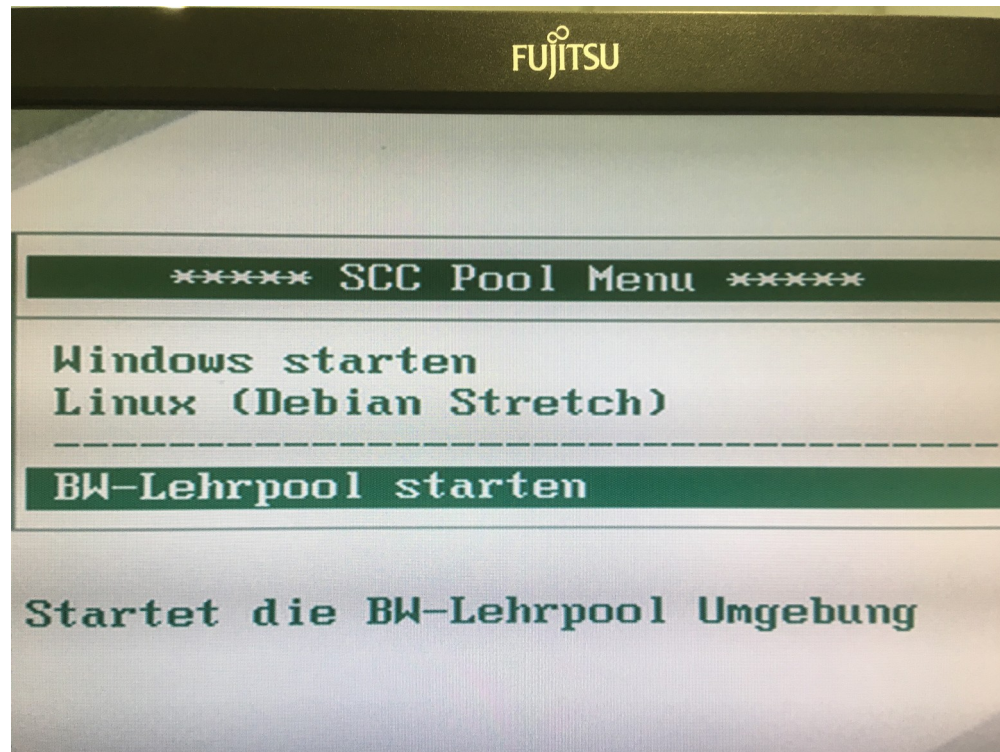
Before leaving:

- Please fill the evaluation form

Access Pool computers (1)

1. Reboot pool computer

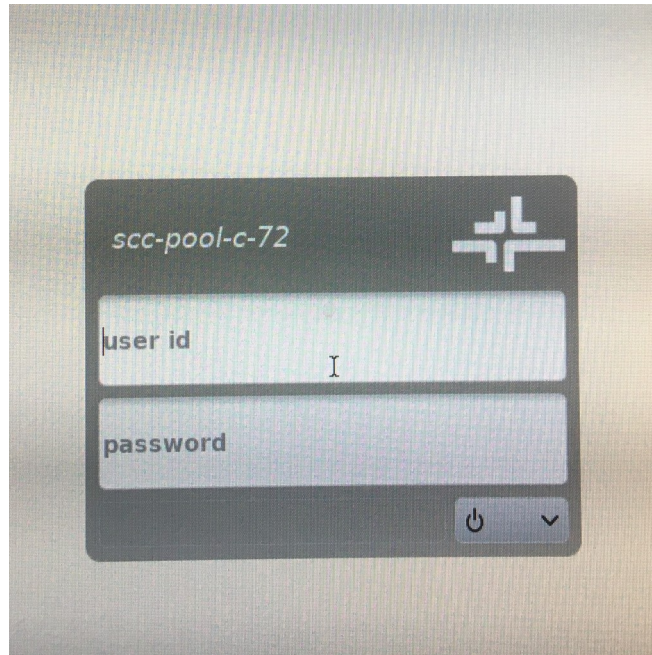
- At boot screen choose: „BW-Lehrpool starten“



Access Pool computers (2)

2. Log in with your „user id“ and „password“

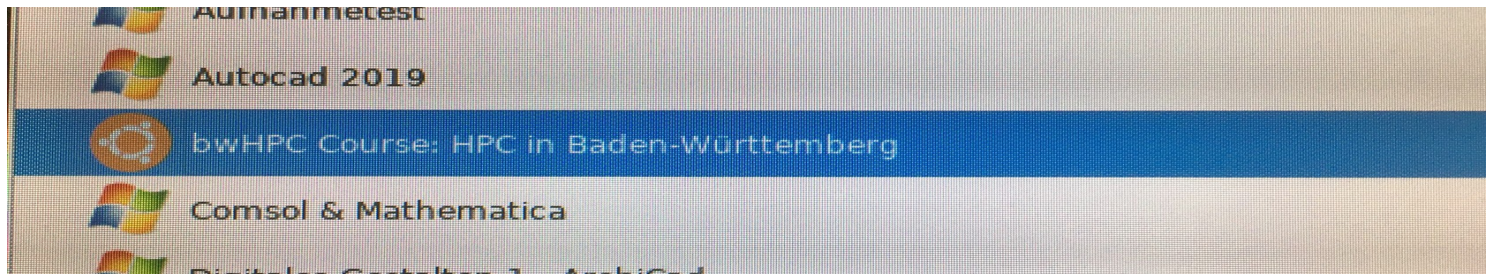
- User id: <university_accountname>@<email-domain>
 - e.g. KIT: xy1234@kit.edu
 - e.g. Uni Stuttgart: ac123456@uni-stuttgart.de



Access Pool computers (3)

3. Select & Load virtual machine „bwHPC Course“

→ Operational system is Ubuntu 19.04



→ Be patient: Starting may take longer since the whole OS is loaded from network

Where to get the slides and exercises?

- https://indico.scc.kit.edu/indico/e/bwhpc_course_2019-10-10 or
bwUniCluster: /pfs/data1/software_uc1/bwhpc/kit/workshop/2019-10-10

- Slides
- Exercises

The screenshot shows the Indico event page for 'Das Steinbuch Center for Computing (HPC) in Baden-Württemberg'. The page has a navigation menu on the left with the following items: 'Überblick / Overview' (highlighted), 'Agenda', 'Registrierung / Registration', and 'Formular / Form'. The main content area contains text in German and English. The German text describes the center's high-performance computing (HPC) resources and mentions a registration deadline. The English text provides more details about the HPC resources and the registration process. At the bottom right, there is a 'Slides exercises' button with a download icon. A black arrow points from the URL in the list above to the top right corner of the screenshot. Two red arrows point from the 'Slides' and 'Exercises' items in the list below to the 'Slides exercises' button.

Überblick / Overview
Agenda
Registrierung / Registration
Formular / Form

Das Steinbuch Center for Computing (HPC) in Baden-Württemberg
"Hochleistungsrechnen" (zukünftigen) Nutzen
Landesforschungshochschule
Zugang und Nutzung
vormittags an Einstiegskursen
Teilnehmerzahl (35)

The Steinbuch Center for Computing (HPC) in Baden-Württemberg
computing (HPC) in Baden-Württemberg
(bwUniCluster, bwUniCluster)
about access and usage
morning beginners
limited to 35. No co

Starts 6 Dec
Ends 6 Dec
Europe/Berlin

Slides exercises

Course Agenda – October 10th 2019

Time	Presenter	Title
09:30	I. Kondov	Advanced Python – Part 1
10:15		Coffee break
10:25	I. Kondov	Advanced Python – Part 2
11:30		Lunch break
12:30	S. Braun	Performance Tools – Part 1
13:45		Coffee break
14:00	S. Braun	Performance Tools – Part 2
15:15		End