LINUX CONTAINER WORKSHOP 2017

INTRODUCTION

GOALS

▸ Refresh/introduce the concepts of Linux Container Technologies

▸ Provide everyone with an understanding to differentiate between

　　▸ Singularity

　　▸ Docker

　　▸ Kubernetes

▸ Sketch some use-cases to grasp the opportunities and limitations

SPEAKERS

▸ Christian Kniep

▸ Holger Gantikow

▸ Michael Bauer

▸ Luk Burchard

▸ Paolo Di Tommaso

▸ Burak Yenier

▸ Gregory Kurtzer

AGENDA #1

▸ 14:05 - Linux Container Technology & Runtimes

▸ 14:30 - Docker Ecosystem: Engine,Swarm,Compose

▸ 14:50 - Non-Docker Ecosystem: Kubernetes et al

▸ 15:10 - Workflow Orchestration with Nextflow

▸ 15:25 - Use-Cases for Containers Today

  ▸ Running Auxiliary Datacenter Services

  ▸ Keep Usability When Running Workloads in the Cloud

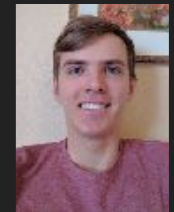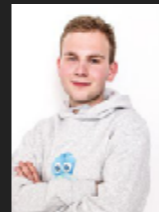 ▸ Reproducible Orchestration with Nextflow
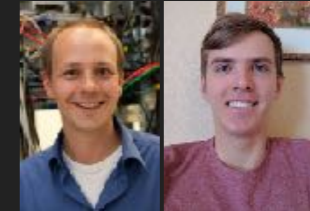
AGENDA #2

▸ 16:30 - Current State of HPC-workloads in the Cloud

▸ 17:00 - Outlook/Lightning Talks

　　▸ User-land Performance and Customisation

　　▸ The Future of Singularity

　　▸ What's Next in the Docker Ecosystem

　　▸ Kubernetes Outlook

▸ 17:30 - Q&A, Panel Discussion

GENERAL REMARKS

▸ Shorter pieces to feed you more diverse information

▸ Feel free to interrupt the speakers if you have a burning question
  (if they do not state otherwise)

▸ Talks are recorded; no note taking necessary, fully engage…

▸ Wiggle room, please use it!