

Data Science Symposium 2019

Tentative Program

Thursday, 20th June 2019

- 12:00- 13:00 Registration/ Lunch
- 13:00-13:15 Welcome Address (Wolfgang Kaysser, HZG)
- 13:15- 14:45 **Session 1: Data Infrastructures**
- Keynote: *Data Infrastructures as Base for Data Science*
Gisbert Breitbach (HZG)
- Biogeochemical data flow: From campaign to database*
Linda Baldewein (HZG)
- "Big Data" dissemination*
Dietmar Sauer (HZG)
- 14:45 – 15:15 Coffee Break
- 15:15- 16:45 **Session 2: Data Infrastructures**
- Keynote: *"Sciences across Disciplines" - a success story?*
Philipp Fischer (AWI)
- Analysis Ready Data in Earth Observation*
Carsten Brockmann (Brockmann Consult GmbH)
- Digital Earth: Recent Steps Toward SMART Monitoring and Data Exploration*
Holger Brix (HZG)
- 16:45 -17:15 Elevator Pitches: Posters and Demos
- 17:15 -18:30 **Poster & Demo Session**
- 18:30 Dinner (at the venue)

Friday, 21st June 2019

09:00- 10:50 [Session 3: Data Science](#)

Keynote: *Complex Information Networks*
Michael Gertz (Heidelberg University)

*MorphoCut and MorphoCluster – pelagic ocean optics
processing tools*
Rainer Kiko (GEOMAR)

*Estimation of daily mean NO2 Concentration in the
atmosphere over Europe by means of Neural Network*
Andrey Vlasenko (HZG)

Data Science and Data Management for PoF IV
Stephan Frickenhaus (AWI)

10:50 – 11:20 Coffee Break

11:20- 13:00 [Session 4: Data Science](#)

Short Keynote: *Haicu-Local: the High Level AI Support
Team for Earth System Analytics and Modelling*
Eduardo Zorita (HZG)

*Airborne LiDAR and stereo-photogrammetric
characterization of permafrost landscapes and thaw
subsidence*
Ingmar Nitze (AWI)

*Lagrangian drift simulations to aid interpretation of in-situ
monitoring data*
Ulrich Callies (HZG)

Drift App - A tool to track water parcels
Housam Dibeh (HZG)

*Neural Networks for the retrieval of water constituents in
optically complex waters*
Martin Hieronymi (HZG)

13:00-13:15 Farewell

13:15 Coffee Break