

9:00



Haus H
Hörsaal /
Lecture Theatre



A 56
Konferenzsaal /
Conference Hall



A 45 S
Hörsaal /
Lecture Theatre



A 31
Große Kuppel /
Dome



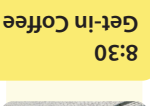
A 45 S
Konferenzraum /
Conference Room



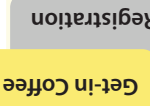
A 31
Westflügel /
West Wing



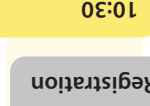
Haus H
Foyer



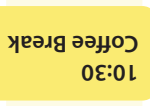
Haus H
Foyer



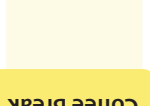
Haus H
Foyer



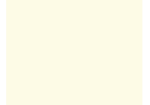
Haus H
Foyer



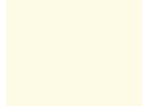
Haus H
Foyer



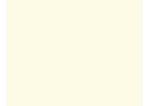
Haus H
Foyer



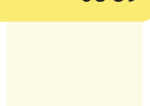
Haus H
Foyer



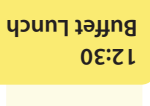
Haus H
Foyer



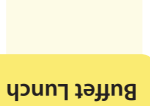
Haus H
Foyer



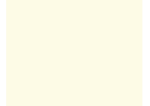
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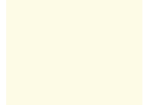
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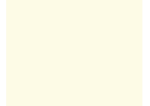
Haus H
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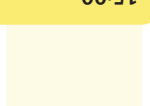
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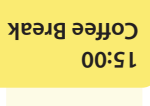
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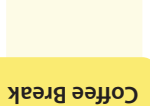
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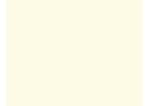
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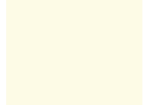
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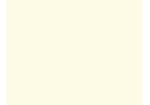
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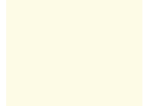
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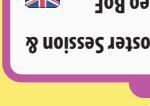
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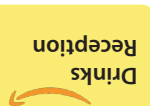
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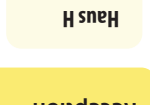
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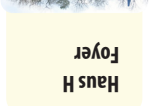
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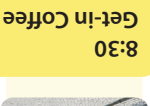
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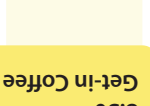
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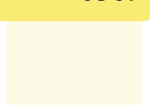
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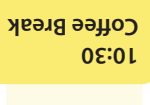
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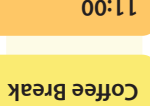
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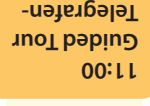
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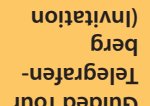
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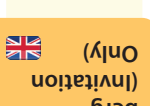
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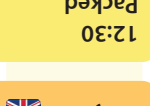
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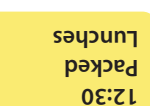
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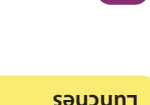
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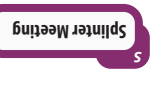
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11:00

Software Engineering Productivity

Optimizing Developer Productivity in Endangered Language Documentation Apps - L. Gessler -
editorium - from bottom-up to generic programming - M. Fechner / S. Dumont -
Debian Astro - a "Debian Pure Blend" for Astronomy and Astrophysics - O. Streicher -

Reproducibility I

Curious Containers: Framework zur Reproduzierbarkeit von digitalen Experimenten - C. Jansen / D. Kerfling -
Portable Container zum komplexen wissenschaftlichen und Ausführen von komplexen wissenschaftlichen Software - L. Bilke -
Integrierte Entwicklungs- und Publikationsumgebung für Forschungssoftware und Daten am Helmholtz-Zentrum Dresden-Rossendorf (HZDR) - T. Frust -

Research Data Management

Evaluation of the semantic research data management system CaosDB in glaciology - A. Schlemmer -
How to save a scientist's career with data classes and Ausführen von komplexer wissenschaftlicher Software - L. Bilke -
Linking biological data using data science and cross-disciplinary software development - F. Huber -
Against Schematisation - Mapping the Choreographic Vector Space - A. Koch -

Herausforderungen für die nachhaltige Entwicklung, Bereitstellung und Pflege von Forschungssoftware in Deutschland

A. Löwe /
G. Seemann /
M. Katerbow /
S. Druskat

Research Software Frameworks

Automated Deadline-Based Scaling of Experiments in the Cloud with MICADO - J. Deslauniers -
Parallel-in-Time integration with PFAST: from prototyping to applications - R. Speck -
Software for autonomous astronomical observations - T. Granzer -
Tensor: A n-dimensional container for C++ - W. Volpert / J. Mabilly -
Generation of a wrapper library for MPI - Medipack - M. Sagebaum -

Reproducibility II

Data mining made easy, reproducible and open-source - A. Bartholomäus -
Reproducibility of Particle-in-Cell Simulations in Plasma Physics - S. Tieze -
Common Workflow Language (CWL)-based software pipeline for the novo genome assembly from long- and short-read data - R. Korhonen -

Institutional RSE Communities II

Kollaborationsmodelle für Softwareentwicklung an der HU - M. Dreyer -
Empfehlungen für bessere Forschungssoftware - T. Schlauch -
Zwischen Digital und Humanities - O. Pohl / A. Notroff -

GitLab selbst betreiben: Wie sind die Erfahrungen? Wie ermöglichen wir Kooperation mit Externen?

F. Goth /
C. Pletsch

Experience with Simulation Software

Insight Earth System Models - J. Pionowski -
PALM - a story of developing and maintaining a scientific model system - T. Gronemeyer -
How to build a modern particle based CFD framework for both - Industry and Science - M. Taesch / S. Przybilla -
ESM-TOOLS: A Software tool for Earth System Modelling Scientists - N. Wierers -

Towards Open Research Software

Von Closed zu Open Source - L. Baumstark -
Forschungssoftware als digitale Ressource erhalten - E. Albers -
Neukonzeption des DLR Software-katalogs - T. Kolb -

Entwicklung von Richtlinien für Forschungssoftware

B. Fritsch /
T. Schlauch /
J. Fuhrmann /
K. Scheliga

RSE4NFDI - Nachhaltigkeit von Forschungssoftware in der nationaler Forschungsdateninfrastruktur (NFDI) Deutschland

D. Nüst /
F. Löffler /
M. Hammitzsch /
U. Konrad

17:15

Poster Lightning Talks

- B. Fritsch -

3

Thursday June 6, 2019

de RSE | KONFERENZ 2019

www.de-rse.org/en/conf2019

9:00



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Lecture Theatre



A 56
Konferenzsaal /
Conference Hall



A 45 S
Hörsaal /
Lecture Theatre



A 31
Große Kuppel /
Dome



A 45 S
Konferenzraum /
Conference Room



A 31
Westflügel /
West Wing



Haus H
Foyer

11:00

User Interfaces

GUI-Architektur für interaktive Datenanalyse - J. Wuttke -
NICOS - ein Steuerungsframework für Großforschungsgeräte - G. Brandl -
Umsetzung effizienter plattformunabhängiger App-Entwicklung in einer bestehenden Forschungssoftware-Landschaft - R. Buchbach -

Paneldiskussion "Nachhaltigkeit von Forschungssoftware in Deutschland"

M. Katerbow (DFG) /
A. Lamprich (Uni Utrecht) /
K. Leinweber (TIB) /
M. Meinel (DLR) /
A. Zeller (CISPA, Uni Saarland)

Communication and Outreach

The Research Software Engineering Landscape in Germany - S. Janosch / M. Hammitzsch -
RSE 2.0 - M. Woodbridge -
Research Software Network for the Digital Humanities // Forschungssoftware-Netzwerk für die digital arbeitende Geistes- und Kulturwissenschaftlerinnen - T. Kälmb -
Development of research software at DLR - role and status in practice - L. V. Kurnatowski -

Entwicklung von Richtlinien für Forschungssoftware

B. Fritsch /
T. Schlauch /
J. Fuhrmann /
K. Scheliga

Organisation von lokalen und regionalen RSE Chapters | Organising RSE Chapters

D. Nüst /
H. Seibold /
J. Schaub

Organisationsmanagement- und Projektwareentwicklungsprojekten

A. Czmiel

Cost Effective Research Leveraging AWS Spot

R. Winzinger

13:30

Closing Session

15:15 de-RSE e.V. Jahreshauptversammlung

Lunches Packed

Guided Tour Telegarten-berg (Invitation Only)

Coffee Break

Get-in Coffee

Drinks Reception

Poster Session & Geo Bof

Coffee Break

Buffet Lunch

Coffee Break

Get-in Coffee

Registration

Registration