

REPRO-HPC @ ISC26 : Welcome!

repro-hpc.github.io

Quentin Guilloteau, Valérie Hayot-Sasson, Dennis Hoppe, Josef Weidendorfer

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(Some of the) Workshop's Objectives / Questions

- ▶ Feedback and Lessons learned packaging/reproducing
- ▶ Reproducibility in the age of AI
- ▶ Methods, tools, approaches for supporting reproducibility/FAIR
- ▶ Platforms (tools and services) for experimenting on HPC systems
- ▶ Artifact evaluation processes evolutions
- ▶ ...

Workshop's Program – 1/2

- ▶ 09:05 - 09:40 : Invited Talk : **Kate Keahey** – *Practical Reproducibility: How AI Can Help Make You a Better Scientist*
- ▶ 09:40 - 09:55 : *Layered Reproducibility for High-Performance Computing Applications: The Feel++ and Ktirio Urban Buildings Case Study* – J. Cladella, V. Chabannes, C. Prud'homme
- ▶ 09:55 - 10:10 : *ReVal: A Hardware-Aware LLM Agent for Artifact Reproducibility and Evaluation in HPC Systems* – I. Benlamari
- ▶ 10:10 - 10:25 : *Standardising HPC Workflows for Sustainable Reproducibility: The JUBE Configuration Artefact Approach* – J-O Mirus, F. S. M. Guimaraes, A. Sankaran, M. G. Barrios Sazo, C. Himmels, T. Breuer
- ▶ 10:25 - 11:00 : Invited Talk : **Helena Vela Beltran** – *EESSI: Addressing HPC Reproducibility Hurdles Through a Unified Software Stack*
- ▶ 11:00 - 11:30 : **ISC Coffee Break**

Workshop's Program – 2/2

- ▶ 11:30 - 11:45 : *Nix to the Rescue for a Reproducible HPC-AI Software Stack* – W. Du, J-M. Gratien, R. Gayno, B. Raffin
- ▶ 11:45 - 12:00 : *Some Lessons learnt on FPM promises with NixOS-Compose* – A. Salmane, Y. Sun, H. Brunie, O. Richard
- ▶ 12:00 - 13:00 : **Panel Discussion**
 - ▶ Kate Keahey : ChameleonCloud
 - ▶ Helena Vela Beltran : EESSI
 - ▶ Hatem Ltaief : ISC26 Research Paper Chair
 - ▶ Olivier Richard : SLICES-FR
- ▶ 13:00 : **End of the workshop**

Proceedings

- ▶ “Regular Workshop” = No proceedings with ISC
- ▶ Our own proceedings (with DOI and all!)
- ▶ for now:
 - ▶ Pre-print of the proceedings
 - ▶ <https://repro-hpc.github.io/preprints.pdf>
 - ▶ **Password : reprohpc26**

Thank you!

to the participants, to the authors, to the reviewers

Collaborative notes + questions :
<https://tinyurl.com/repro-hpc26>