

Issue 44
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Latest Highlights

New Publications and Preprints

- S. Redyuk, Z. Kaoudi, S. Schelter, and V. Markl (2024). **Assisted design of data science pipelines.** *The VLDB Journal* (2024). <https://doi.org/10.1007/s00778-024-00835-2>
- F. Schintke, K. Belhajjame, N.D. Mecquenem, D. Frantz, V.E. Guarino, M. Hilbrich, F. Lehmann, P. Missier, R. Sattler, J.A. Sparka, D. Speckhard, H. Stolte, A.D. Vu, and U. Leser (2024). **Validity constraints for data analysis workflows.** *Future Generation Computer Systems*, 157, 82-97. <https://doi.org/10.1016/j.future.2024.03.037>

"As Easter dawns, may your data be bright, Insights gather like eggs in morning's light."

- Season's greeting generated by ChatGPT

HIDA/HEIBRiDS Hackathon on Computer Vision

From 27 to 29 February 2024, the [Helmholtz Information & Data Science Academy](#), [Helmholtz Imaging](#) and HEIBRiDS organized the **HIDA Hackathon on Computer Vision** at the Einstein Center for Digital Future in Berlin. 14 doctoral researchers from the Helmholtz Information & Data Science Schools (HIDSS) took on the demanding challenge of finding clever solutions to automatically detect thermal bridges in thermographic data. The winning team was the *Unstable Unicorns*, which included two HEIBRiDS doctoral researchers, namely **Viktoriia Huryn** and **Abhey Mehta**. You can watch the presentations of the winning teams [here](#).



PhD Dissertations



On March 11, HEIBRiDS doctoral researcher **Henning Lilienkamp** defended successfully his PhD thesis with the title “Enhanced computational approaches for data-driven characterization of earthquake ground motion and rapid earthquake impact assessment”, at the University of Potsdam, Campus Golm.

Congratulations!

New HEIBRiDS faces

Mark Melzer is a new HEIBRiDS associated student, working on the project “Development of a Flow Cytometry Single Cell Atlas for Infectious Diseases” and supervised by Lisa Buchauer at Charité Universitätsmedizin.

Welcome!

Announcements

New HEIBRiDS PhD recruitment round

As we transition to HEIBRiDS v.2 from January 2025, funds will be available for a new round of PhD recruitment. The initial step in this process is to collect project proposals from supervisor tandems. The call will commence on **April 15** and will remain open for project proposals until **May 31**. Further details regarding eligibility and evaluation criteria will soon be accessible on our webpage.

PhD Dissertations

Next in line to defend his PhD project is **Gregor Pfalz**. His defense is going to take place on April 29, at 14:00 at the University of Potsdam, Campus Golm.

HIDA Lecture Series

The new **HIDA Lecture Series on AI and Large Language Models** continues with two additional announced lectures: On **April 18 at 11am**, Bert Heinrichs, professor of ethics and applied ethics at the University of Bonn and leader of the research group “Neuroethics and Ethics of AI” at Forschungszentrum Jülich, will discuss “Ethical considerations on hate speech and AI”. On **May 7 at 2pm**, Steffen Albrecht, Scientific Staff at the Office of Technology Assessment at the German Bundestag, will present a talk titled “Contextualizing LLMs – What are the social and ethical implications?” For further information and registration, please follow this [link](#).

Coming up:

- [HEIBRiDS Retreat](#), April 9-10, 2024
- [HIDA PhD Meetup](#), June 6-7, 2024