Univ-Prof. Dr. Jure Demsar
Univ.-Prof. Dr. Hans-Joachim Elmers
Univ.-Prof. Dr. Mathias Kläui
Univ.-Prof. Dr. Thomas Palberg

JOHANNES GUTENBERG UNIVERSITÄT MAINZ

Seminar über die Physik der kondensierten Materie (SFB/TRR173 Spin+X und SFB/TR288 Kolloquium, TopDyn-Seminar)

April 26, 2024 at noon
Media Room

Kilian Leutner and Thomas Winkler
JGU Mainz

Test run of the "Intermag 2024 Hands-on session: AI in magnetism."

This Friday, the 26th, from 12 to 2 pm, Kilian Leutner and Thomas Winkler will give a test run of the "Intermag 2024 Hands-on session: AI in magnetism."

We will give an introductory talk (~30 minutes) about AI in magnetism and more concrete information about our recent project: "AI-accelerated detection of spin structures in Kerr-microscopy data."

Afterward, we will ask you to open your laptops and participate actively in the AI revolution. We will guide you through our repository. The goal is that participants can infer data and even train models on their own at the end of the session.

If you are interested, feel free to have a look at our paper and official repository:
Paper: Labrie-Boulay et al., Phys. Rev. Appl. 21, 014014 (2024): https://doi.org/10.1103/PhysRevApplied.21.014014
Repository (v2.0): Winkler et al., Zenodo repository: https://doi.org/10.5281/zenodo.10997175

If you would like to join, please send an email to Kilian Leutner (kileutne@students.uni-mainz.de) by Thursday. Kilian Leutner will eventually send around links for a smaller data repository, install instructions this week for the session.

You can participate in this session at the Physics building in Mainz in the "Medienraum" (03-431), or you can access the session via Teams using the following link: https://teams.microsoft.com/l/meetup-join/19%3ameeting_MTRhNjI4ZWYtNDkyMC00YzQ1LWIyNzgtMzkxNjAzYjNjYjY2%40thread.v2/context=%7b%22Tid%22%3a%2251aa2b30-c9fa-40db-b91a-3a53a8a08d85%22%2c%22Oid%22%3a%22e50b859d-212d-4ce0-b8ca-82e26bd02e43%22%7d .
(As this is a test talk, we are also happy about some feedback)

Contact:
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