PUNCHLunch –

the online lunch seminar of the PUNCH4NFDI Consortium

Every third Thursday, 12:30-13:30 hrs: keynote and discussion

---

Thursday, 21 August 2025, 12:30 hrs:
Alexey Rybalchenko (GSI Helmholtz Centre for Heavy Ion Research)
LLMs for Enhanced Code Review

Abstract:

Collaborative software development demands for rigorous code review processes to ensure maintainability, reliability, and efficiency. This work explores the integration of Large Language Models (LLMs) into the code review process, with a focus on utilizing both commercial and open models. We present a comprehensive code review workflow that incorporates LLMs, integrating various enhancements such as multi-agent capabilities and reflection. By harnessing the capabilities of LLMs, the review process can uncover faults and identify improvements that traditional automated analysis tools may overlook. This integration shows promise for improving code quality, reducing errors, and fostering collaboration among software developers.

Connection details:
ZOOM Meeting "PUNCHLunch seminar": https://indico.desy.de/event/50424/
Webinar ID: 919 1665 4877, passcode: 481572
Next event: EXPLORE (Baida Achkar), 25 September 2025

Connect to PUNCH4NFDI:
Mastodon: https://nfdi.social@punch4nfdi   Mail: punch4nfdi@desy.de   Web: www.punch4nfdi.de