News

- Base services → next slides
- Section working groups (metadata, CI) → next slides / Stefan, Kilian, Christoph, Harry, …
- PUNCH4NFDI project manager
  → second round of advertisement running
- Today TA5 workshop

Note: slides = minutes, all in MB category in INDICO: https://indico.desy.de/category/889/

Base Services

Latest news

Intense discussions between many players on all levels: in consortia, between consortia, on NFDI-level, in DESY and Juelich, in Helmholtz, with (still) external players like DFN
➔ does somebody have an overview?

Current picture: There will a proposal for a “Verbund” of existing round 1-3 consortia as a framework for concrete base service work

- Competitive distribution mechanism for funds inside this Verbund?
- New funds for the Verbund?
- Nuclei of activity inside the Verbund, e.g. from the natural sciences?

Questions:

- Other proposals? Decision on proposals will be announed together with decision on 3rd-round consortia in November.
- Who is writing this proposal?
- What possibilities for contributions do we have with the limited funding and personpower we have?

More information maybe after meeting with DAPHNE, PUNCH, FAIRMAT, 4CHEM, 4CAT, 4ING etc. tonight.
➔ will keep you posted.

Base Services

Potential PUNCH4NFDI contributions (needs definition / analysis / development / operation)

- AAI (nicht als Basisdienst, sondern Beispielimplementierung, Integration von Services, User-Komponente, …)
- Filetransfer / Compute/Storage-Infrastrukturen (nicht als Hardware-Provider, sondern Kompetenzvermittlung)
- Cloud-Infrastrukturen inkl. HPC-Integration etc.
- Datenmanagement aufbauend auf RDMO
- Hub fuer Anbindung an internationale Dienste (EOSC und co).

Note

- All subject to funding situation
- Many topics already treated in “vertical” structures (HGF and others) ➔ e.g. letter from Helmholtz / HIFIS to NFDI and sections on importance of getting these established players on board
- …

Sections and Working Groups

Many new grops esp in Metadata and Common Infrastructures

→ Slides von Stefan, Harry, Christoph, Harry

→ We need contributors to the working groups
→ Stefan will draft mail to MB so that TA leads can collect contributors
→ Make sections and WG topic in next general meeting on 12 April

News from committees etc.

Sektionen
- CI (Christoph, Harry, Kilian):
- Legal & Ethical (Andreas, …):
- Metadata (Stefan, Harry):
- Education (Frank, …)

Task forces
- Monitoring (Thomas)
- Tools (Kilian) → backup person for Kilian would be highly appreciated!

Kreise
- Sprecher
- Finanz
- Verwaltung (topc last time: governance).
- Kommunikation

More?

News from TAs? (LAST WEEK)

TA1:

TA2:

TA3:

TA4:

TA5:

TA6:

TA7:

Conclusion: The MB meeting is focused on information dissemination (from NFDI, other consortia, with some information on news from TAs. Need separate concrete working meetings between TAs / WPs with focus on dedicated topics → responsibility of TA leads

“REPORT FROM TA X”

Overall:
- News, meetings, events …
- Most pressing problem / issue

WP1:
- News
- Issues
- Connection to other TAs

WP2:
- News
- Issues
- Connection to other TAs

….

WPN:
- News
- Issues
- Connection to other TAs

PUNCHLunch –
the online lunch seminar of the PUNCH4NFDI Consortium
Every second Thursday, 12:30-13:30 hrs: keynote and discussion

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Thursday, 24 February 2022, 12:30 hrs:

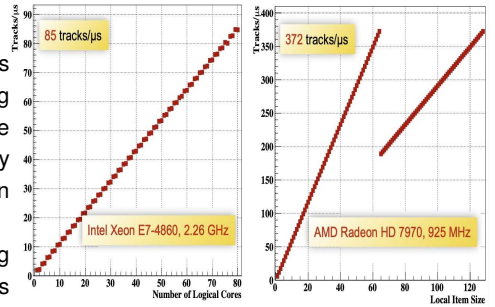
Prof. Dr. Ivan Kisel (Frankfurt Institute for Advanced Studies)

Workflows for efficient pattern recognition under different computing architectures

parallel algorithms on many-core architectures

Abstract:

The search for and reconstruction of particles produced in collisions of heavy ions is a challenging and very time-consuming problem. To solve it, we have developed highly efficient and mathematically accurate approaches based on the cellular automaton and the Kalman filter. These methods in their basis contain wide opportunities for creating parallel data flows, and hence parallel algorithms based on them. This, in turn, leads to an efficient use of computing resources of modern HPC clusters based on many-core CPU/GPU architectures.



In order to keep the portability of the algorithms with respect to their use on different computer architectures, we have worked out an improved procedure to develop the source code. Via this implementation method the algorithm and several overheads allow the use of the code on different modern and future CPU/GPU architectures.

The discussion will cover both the development of parallel algorithms for data processing and analysis, and their rather simple adaptation for efficient use on different computer architectures.

Connection details:

ZOOM Meeting "PUNCHLunch seminar": *https://indico.desy.de/event/33353/*

Webinar ID: 919 1665 4877, passcode: 481572

Next event:

AOB

- General meeting 12 April
- NFDI Infratalk on 2 May 2022: “Data management in the PUNCH sciences” → Thomas at al.
- NFDI Tooltalk on 11 May 2022: our AAI efforts so far (Harry and Kilian)
- Annual meeting (2 half-days) 28 September 14 hrs – 29 September 15 hrs (in person in Hamburg?)
- PUNCHLunch situation (Kilian)
- New people? → info@punch4nfdi.de
- New products / publications? → info@punch4nfdi.de

Thank you!

The PUNCH4NFDI Consortium

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