
EuroProofNet WG 5 Meeting

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WG5 events

AITP 2022

Prague Workshops Spring 2023

- Efficiency of MLTP and Synthesis Datasets

NatFoM 2023

- 2 day workshop co-located with CICM

School on formalizations in (controlled) natural language

- Cancelled twice → last year of EPN

Plan: WG5 meeting next spring

- Michael Rawson + Laura Kovacs, 2 days

Few STSMs

WG5 Work

The aim of this WG is to contribute to the field of machine-learning-based methods to improve the efficiency of automated theorem proving systems in terms of further development of techniques for proof guidance and premise selection. Furthermore, the group will explore how and to what extent tasks of computer-assisted reasoning can be extended to proofs that are represented in (controlled) natural languages.

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2 Deliverables

- month 30: technical report on the evaluation of techniques for learning proof search guidance and premise selection in automated theorem provers
- month 48: white paper on including restricted natural language proof formats to existing proof libraries.

- 6 of the 40 EPN publications are core WG5 publications
- Mostly Innsbruck-Prague, one Innsbruck-Paris, one Innsbruck-Białystok.