
Journées sur les Arithmétiques Faibles JAF 44

Weak Arithmetics Days

September 8 to 10, 2025

Prague

Institute of Mathematics
of the Czech Academy of Sciences

CALL FOR PARTICIPATION

Steering Program Committee

Patrick Cégielski (Paris XII)
Julien Cervelle (Paris XII)
Andrés Córdon-Franco (Seville)
Ali Enayat (Göteborg)
Costas Dimitracopoulos (Athens)
Alex Esbelin (Clermont-Ferrand)
Neil Thapen (Prague)

Local Organization Committee

Neil Thapen (Prague)
Pavel Hrubes (Prague)
Ondra Ježil (Prague)

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Contributed papers

Submission June 2, 2025
Notification: July 5, 2025

Website

To change
[http://www.lacl.fr/jaf/
issues/jaf44.html](http://www.lacl.fr/jaf/issues/jaf44.html)

Aim: Weak Arithmetics play a fundamental role in several areas of philosophy, mathematics, and computer science by studying the nature and properties of natural numbers from a logical point of view. The aim of the conference is to provide a forum for researchers to present their results to members of communities who study or apply weak arithmetics in various fields and formalisms.

Previous locations of JAF were for instance in Lyon (1990), Paris (1990), Clermont-Ferrand (1991), Fontainebleau (1994), Metz (1996), St-Petersburg (1997), Mons (1997), Warsaw (1998), New-York (1999), Naples (2003), Yerevan (2004), Sevilla (2007), Athens (2008), Samos (2012), Göteborg (2014), Lisbon (2016), Florence (2018), New-York (2019), Athens (2021), Karlovassi (2023), Passau(2024).

<https://www.lacl.fr/jaf/html/issues.html>

Topics: Proofs in arithmetic with restricted system of axioms. Non-standard models of such systems. Reverse mathematics. Decidability, undecidability, and complexity of arithmetical theories. Definability in arithmetic structures. Machines, automata and words, related to arithmetic. Finite model theory, word structures.

Paper submission: Authors are invited to send an abstract not exceeding *three* pages in electronic submission in the form of a pdf file to be sent both to cegielski@u-pec.fr and to thapen@math.cas.cz. Submissions are to be received before **June 2, 2025**. Authors will be notified of acceptance before July 5, 2025.

Support for the Meeting:

Registration of participants: To register, send your details (full name, affiliation, planned dates of arrival and departure) to thapen@math.cas.cz. We will have support for coffee breaks for all participants.