
Journées sur les Arithmétiques Faibles JAF 45

Weak Arithmetics Days

September 16 to 18, 2025

Warsaw

Faculty of Philosophy, Krakowskie Przedmieście 3

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)

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), Prague (2025).

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

Local Organization Committee

Mateusz Łetyk (Warsaw), chair
(the full squad of the organization
committe available on the webpage)

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.

Local Scientific Committee

Ali Enayat (Gothenburg), chair
Leszek Kołodziejczyk (Warsaw)
Mateusz Łetyk (Warsaw)
Bartosz Wcisło (Gdańsk)

Paper submission: All the details about the paper submission will be available on the webpage. Submissions are to be received before **June 1, 2026**. Authors will be notified of acceptance before June 22, 2026.

Contact

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Support for the Meeting: Faculty of Philosophy, University of Warsaw (more to be decided)

Contributed papers

Submission: June 1, 2026
Notification: June 22, 2026

Registration of participants: The registration form will be available on the webpage before April 17th. The deadline for registration is July 31st. There will be no conference fee.

Website

jaf45warsaw.wfz.uw.edu.pl
