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# Journées sur les Arithmétiques Faibles JAF 43

## Weak Arithmetics Days

September 9 to 11, 2024  
IT-Zentrum of Passau University (Germany)

CALL FOR PARTICIPATION

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### 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

Azza Gaysin (Passau University)

### Contact

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### Contributed papers

Submission: August 5, 2024  
Notification: August 15, 2024

### Website

<https://www.uni-passau.de/en/jaf>

**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), and Florence (2018).

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

**Topics:** Proofs in arithmetic with restricted system of axioms. Non-standard models of such systems. 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](mailto:cegielski@u-pec.fr) and to [azza.gaysin@gmail.com](mailto:azza.gaysin@gmail.com). Submissions are to be received before **August 5, 2024**. Authors will be notified of acceptance before August 15, 2024.

**Support for the Meeting:** Universität Passau (The University of Passau).

**Registration of participants:** To register, send your details (full name, affiliation, planned dates of arrival and departure) to [azza.gaysin@gmail.com](mailto:azza.gaysin@gmail.com). We will have support for coffee breaks for all participants. A joint conference dinner (self-paid) is planned to take place at Passauer Herbstdult.

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