Journées sur les Arithmétiques Faibles   JAF 37
Weak Arithmetics Days

May 28-30, 2018, Florence, Italy
Villa Finaly (University of Paris)

CALL FOR PARTICIPATION

Steering Program Committee

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

Local Oganization Committee

Patrick Cégielski (Paris XII)
Pierre Valarcher (Paris XII)

Contact person

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(for SMS)

Important Dates

Intention of participation: now
Booking of bedroom at Villa
Finaly: now-February 2, 2018
Submission: April 2, 2018
Notification: May 2, 2018

Website

http://www.lacl.fr/jaf/
issues/generalJAF37.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.

Previously JAF was held in Lyon (1990), Paris (1990), Clermont (1991), Paris (1991), Clermont (1992), Paris (1992), Clermont (1993, 1994), Fontainebleau (1994), Clermont (1995), Fontainebleau (1995), Paris (1996), Metz (1996), St-Petersburg (1997), Mons (1997), Warsaw (1998), Clermont (1999), New-York (1999), Clermont (2000), Fontainebleau (2001), St-Petersburg (2002), Naples (2003), Yerevan (2004), Fontainebleau (2005), Clermont-Ferrand (2006), Sevilla (2007), Athens (2008), Fontainebleau (2009), Warsaw (2010), Paris (2011), Samos (2012), Athens (2013), Göteborg (2014), New York (2015), Lisbon (2016), and Saint Petersburg (2017).

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, words 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 to cegielski@u-pec.fr. Submissions are to be received before **April 2, 2018**. Authors will be notified of acceptance before May 2, 2018.

Registration: Villa Finaly has 25 bedrooms (70/135 euros).
We have support for lunches (26 euros for Monday and/or Tuesday), lunchbox for Wednesday (15 euros) and special dinner (70 euros) on location for the first 30 registered participants.

Support for the Meeting: IUT de Sénart-Fontainebleau and LACL (*Laboratoire d'Algorithmique, Complexité et Logique*).