40ème Journées sur les Arithmétiques Faibles
Lecture Room E, Department of History and Philosophy of Science
National and Kapodistrian University of Athens
October 25–27, 2021

PROGRAM

Monday, October 25

09.00-09.30   Registration

09.30-10.00   Welcome by Professors I. Emmanouil (Dean of the Faculty of
Science, NKUA), A. Tympas (Chair of HPS Dept., NKUA) and
C. Dimitracopoulos (Organizer)

10.00-11.00   Emil Jeřábek (Czech Academy of Sciences, Prague, Czech Republic)
Iterated multiplication in VTC^0

11.00-11.30   Coffee break

11.30-12.30   Mikhail R. Starchak (Saint-Petersburg State University, Russia)
*Quantifier elimination approach to existential linear arithmetic
with GCD*

12.30-14.30   Lunch break

14.30-15.30   Charalampos Cornaros (University of Aegean) & Henri-Alex
Esbelin (University of Clermont, France)
Versions of Matiyasevich's theorem in subsystems of arithmetic

15.30-16.00   Coffee break

16.00-17.00   Alexander Zapryagaev (National Research Univ., Moscow, Russia)
*Interpretation of linear orderings in Presburger Arithmetic and
Visser's conjecture*

Tuesday, October 26

10.00-11.00   Mateusz Łełyk (University of Warsaw, Poland)
Metamathematics of the global reflection principle

11.00-11.30   Coffee break

11.30-12.30   Bartocz Wcisło (University of Warsaw, Poland)
Properties characterising truth and satisfaction

12.30-14.30   Lunch break

14.30-19.30   Excursion to Sounion and guided visit of the archaeological site

19.30-22.00   Official dinner at "Kostis Palamas" building
(https://en.uoa.gr/about_us/services_units/kostis_palamas_building/)

Wednesday, October 27

10.00-11.00   Costas Dimitracopoulos (NKUA, Greece) and Vassilis Paschalis (NKUA,
Greece)
End extensions of models of $B\Sigma_1+exp$

11.00-11.30   Coffee break

11.30-13.00   Discussion about the creation of an International Master's programme