



Institute of Mathematics and Informatics Bulgarian Academy of Sciences

Department of Algebra and Logic

Seminar of Algebra and Logic

Joint Meeting with the Seminar of the Department of Mathematical Logic and Its Applications of the Faculty of Mathematics and Informatics of Sofia University, the Seminar of Logic at the Institute of Philosophy and Sociology of the BAS, and the Department of Artificial Intelligence and Language Technologies of the Institute of Information and Communication Technologies of the BAS

World Logic Day Programme

January 14, 2022, 10:00-15:30 **local time UTC+2**

10:00-10:30 **Opening Words and Official Addresses**

10:30–11:00 Rosen Lutskanov (IPS-BAS)

Defeasible Preference Logic

11:00–11:30 Elena Tsvetkova (IPS-BAS)

Difference between material and behavioral implicatures

11:30–12:10 Lukasz T. Stepien (The Pedagogical University of Cracow)

On a proof of consistency of Arithmetic System

12:10-13:10

lunch break

13:10–13:40 Stoyan Mihov (IICT-BAS) and Stefan Gerdzhikov (FMI-Sofia University)

On Space Bounds for Bimachine Constructions

13:40–14:10 Petar Iliev (IPS-BAS and IMI-BAS)

On the formula-size of the parity function

14:10–14:30

coffee break

14:30–15:10 Yana Rumenova and Tinko Tinchev
(FMI-Sofia University)

Modal definability of some classes of modal products

15:10–15:40 Ivan Georgiev (FMI-Sofia University)

On the computational complexity of some representations of irrational numbers

The home page of the official World Welcome Celebration of January 14, 2022 can be found [here](#).

This is an **ONLINE EVENT**. [This programme in PDF format](#)

Seminar contact persons: Vesselin Drensky, e-mail: drensky@math.bas.bg, [Elitza Hristova](#), e-mail: e.hristova@math.bas.bg

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