



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.** [Abstract](#)

11:00–11:30 Elena Tsvetkova (IPS-BAS)

**Difference between material and behavioral implicatures.**  
[Abstract](#)

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

**On a proof of consistency of Arithmetic System.** [Abstract](#)

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.** [Abstract](#)

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

**On the formula-size of the parity function.** [Abstract](#)

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.** [Abstract](#)

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

**On the computational complexity of some representations of irrational numbers.** [Abstract](#)

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](#)

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Latest update: January 9, 2022.

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