

**Kurt Gödel Day 2021**  
&  
**Czech Gathering of Logicians**  
**2021**

25–26 June 2021  
Brno, the Czech Republic

**PROGRAMME**

# Programme

Friday 25 June 2021

10:00 *registration*

**10:30 opening**

Prof Jan PASEKA (Kurt Gödel Society in Brno)  
Dr Jiří DUŠEK (Brno Observatory and Planetarium)  
Prof Jan NOVOTNÝ (Kurt Gödel Society in Brno)

10:45 **KG prize ceremony**

**invited talk** *chair:* Jan Paseka

11:00 Matthias BAAZ Kurt Gödel and Alfred Tarski:  
The Extremes of Logic

12:00 *coffee break*

**contributed talks** *chair:* Zuzana Haniková

12:30 Marie DUŽÍ From Gödel to Henkin; Completeness vs In-  
completeness

13:00 Kentarô YAMAMOTO The Automorphism Group of the Fraïssé  
Limit of Finite Heyting Algebras

13:30 Adam PŘENOSIL Universal Horn Properties of Upsets of Dis-  
tributive Lattices

14:00 **lunch**

**invited talk**

*chair:* Jiří Raclavský

15:00 Petr CINTULA Completeness and Incompleteness in Logics with Non-classical Proposition Core

**contributed talks**

16:00 Igor SEDLÁR Reasoning About Graded While Programs

16:30 *coffee break*

16:45 Helena DURNOVÁ Popularising Modern Logic in 1950s Czechoslovakia

17:15 Azza GAYSIN H-coloring Dichotomy in Proof Complexity

17:45 *coffee break*

*chair:* Helena Durnová

18:00 Marta BÍLKOVÁ, Sabine FRITTELLA, Ondrej MAJER, Sajad NAZARI Probabilistic Reasoning Based on Incomplete and Inconsistent Information

18:30 Marta BÍLKOVÁ, Sabine FRITTELLA, Daniil KOZHEMICHENKO Two-dimensional Logics of Comparative Uncertainty

19:00 **banquet**

## Saturday 26 June 2021

### invited talk

*chair:* Zdeněk Pospíšil

09:00 Vítězslav ŠVEJDAR From Arithmetization to Interpretability Principles

### contributed talk

10:00 Jamie WANNENBURG Beth Definability in Relevance Logics with the Gödel-Dummett axiom

10:30 *coffee break*

### invited talk

*chair:* Jan Pavlík

11:00 Pavol ZLATOŠ Hilbert's Program and Gödel's Incompleteness Theorems

### contributed talks

12:00 Stéphane LE ROUX, Érik MARTIN-DOREL, Jan-Georg ŠMAUS Existence of Nash Equilibria in Preference Priority Games Proven in Isabelle

12:30 *coffee break* *chair:* Jiří Raclavský

13:00 Libor BĚHOUNEK Do These Degrees Really Go to Eleven?

13:30 Kadir EMIR, David KRUML, Jan PASEKA, Thomas VETTERLEIN Why are Models of Quantum Logic Infinite

14:00 **end of the conference**