

Conference
“Definability and Computability”

December 8 - 12, 2025

organized by

Wesley Calvert, Valentina Harizanov, Philipp Hieronymi, Angus Macintyre, Umberto Zannier

• Monday, December 8

08:45 - 09:00	<i>Self Registration</i>
09:00 - 09:05	Welcome by HIM Director Stefan Müller
09:05 - 10:05	Artem Chernikov Alignments of definable groups and explicit bounds in general Elekes-Szabó
10:05 - 10:35	<i>Coffee Break</i>
10:35 - 11:35	Sven Manthe The Borel monadic theory of order is decidable
11:35 - 12:35	Alexi Block Gorman Decidability via Symbolic Dynamics
12:35 - 14:00	<i>Lunch Break</i>
14:00 - 15:00	Francoise Point Expansions of real-closed fields, expansions of Presburger arithmetic and models of open induction
15:00 - 16:00	Margaret Thomas O-minimality and effectivity

• **Tuesday, December 9**

09:00 - 10:00	Peter Cholak The Henson graphs: colorings and codings
10:00 - 10:30	<i>Coffee Break and Group Photo</i>
10:30 - 11:30	Ellen Hammatt Exploring structural aspects of punctual degrees
11:30 - 12:30	David Gonzalez Scott Filtrations and Vaught Ordinals
12:30 - 14:00	<i>Lunch Break</i>
14:00 - 15:00	Keshav Srinivasan Cohesive Powers of Algebraic Number Fields
15:00 - 15:30	<i>Coffee Break</i>
15:30 - 16:30	Barbara Csima Measuring complexity of structures via their Scott Sentences
16:30 - 18:30	<i>Reception</i>

• **Wednesday, December 10**

09:00 - 10:00	Lisa Sauermann The quadratic Littlewood-Offord Problem
10:00 - 10:30	<i>Coffee Break</i>
10:30 - 11:30	Nadja Valentin Radicals in Groups with a descending chain condition on subgroups
11:30 - 12:30	Martin Hils Beautiful pairs of algebraically closed valued fields, and non-standard Frobenius
12:30 - 15:00	<i>Lunch break/free afternoon</i>
15:00 - 15:15	<i>Hausdorff tea</i>
15:15 - 16:15	<i>Hausdorff colloquium: Bjorn Poonen</i> Cohomological obstructions to rational points

• **Thursday, December 11**

09:00 - 10:00	Russell Miller Computability questions about infinite Galois groups
10:00 - 10:30	<i>Coffee Break</i>
10:30 - 11:30	Salma Kuhlmann Recursively saturated real closed fields and models of Peano arithmetic
11:30 - 12:30	Meng-Che Ho Isomorphism problems as equivalence relations
12:30 - 14:00	<i>Lunch Break</i>
14:00 - 15:00	Chris Laskowski Classifying first order theories by Borel reducibility: Status Report
15:00 - 15:30	<i>Coffee Break</i>
15:30 - 16:30	Matthias Aschenbrenner Second-order linear differential equations over Hardy fields
18:00 - ...	<i>Conference dinner at L'Osteria (In der Sürst 3, Bonn City Center)</i>

• **Friday, December 12**

09:00 - 10:00	Silvain Rideau-Kikuchi Multi topological fields, approximations and NTP2 (Joint work with S. Montenegro)
10:00 - 10:30	<i>Coffee Break</i>
10:30 - 11:30	Jana Marikova A definable Tarski's theorem
11:30 - 12:30	Alexandra Shlapentokh Elliptic curves and definability over big rings.
<i>afterwards</i>	<i>closing</i>