

Conference  
“Definability and Computability”

December 8 - 12, 2025

organized by

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• Monday, December 8

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

- **Tuesday, December 9**

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

- **Wednesday, December 10**

09:00 - 10:00	<b>Lisa Sauermann</b> TBA
10:00 - 10:30	<i>Coffee Break</i>
10:30 - 11:30	<b>Nadja Valentin</b> TBA
11:30 - 12:30	<b>Martin Hils</b> 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:</i> <b>Bjorn Poonen</b> Cohomological obstructions to rational points

- **Thursday, December 11**

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

- **Friday, December 12**

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