

Follow-Up-Workshop to TP
“Logic and Algorithms in Group Theory”

August 18 - August 22, 2025

organized by

Katrin Tent (Universität Münster), Eamonn O’Brien (University of Auckland), André Nies (University of Auckland)

Time measurement: CEST

• **Monday, August 18**

08:30 - 09:15	<i>Arrival and Self-Registration</i>
09:20 - 09:25	<i>Welcome by HIM Director Theo Sturm</i>
09:30 - 10:30	Martin Bridson: The geometry of the conjugacy problem for finitely presented groups
10:30 - 11:00	<i>Coffee and discussion</i>
11:00 - 12:00	Thomas Koberda: Differential topology and first order rigidity
12:00 - 14:00	<i>Lunch break</i>
14:00 - 15:00	Informal Discussion
15:00 - 16:00	Mima Stanojkovski: Groups from elliptic curves: isomorphism testing and the PORC conjecture
16:00	<i>Coffee and discussion</i>

• **Tuesday, August 19**

09:30 - 10:30	Matteo Vannacci: Algorithmic randomness in profinite groups
10:30 - 11:00	<i>Coffee and discussion</i>
11:00 - 12:00	Bettina Eick: The frame of the graph associated with the p-groups of maximal class
12:00 - 14:00	<i>Lunch break</i>

15:00 - 16:00	Rémi Coulon: Equations in Burnside groups
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16:00	<i>Coffee and discussion</i>
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• **Wednesday, August 20**

09:30 - 10:30	Montserrat Casals-Ruiz: On the elementary theory of graph products of groups
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10:30 - 11:00	<i>Coffee and discussion</i>
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11:00 - 12:00	Chen Meiri: Width in higher rank arithmetic groups
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12:00 - 14:00	<i>Lunch break</i>
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14:00 - 15:00	Informal Discussion
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15:00 - 16:00	Gianluca Paolini: Profinite rigidity of crystallographic groups
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16:00	<i>Coffee and discussion</i>
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• **Thursday, August 21**

09:30 - 10:30	Todor Tsankov: Comeager isomorphism classes in zero-dimensional dynamics
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10:30 - 11:00	<i>Coffee and discussion</i>
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11:00 - 12:00	James Wilson: Defining and computing characteristic subgroups without automorphisms
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12:00 - 14:00	<i>Lunch break</i>
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14:00 - 16:00	Short research presentations
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16:00	<i>Coffee and discussion</i>
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• **Friday, August 22**

09:30 - 10:30	Simon André: The Tarski problem for hyperbolic groups with torsion
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10:30 - 11:00	<i>Coffee and discussion</i>
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11:00 - 12:00	Giles Gardam: SAT for the working mathematician
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12:00 - 14:00 | *Lunch break*