

Sechzehnter Karlsruher Weihnachtsworkshop zur Geometrie und Zahlentheorie

December 17 to 19, 2018

Program

Monday, December 17

09:30	Reception Tea	in the Mathematics building, room 1.058
10:00 – 11:00	Max Horn (Gießen)	<i>Kac-Moody symmetric spaces</i>
11:15 – 12:15	Jan-Christoph Schlage-Puchta (Rostock)	<i>Groups with many normal subgroups</i>
Lunch break		
14:00 – 15:00	Verena Möhler (Karlsruhe)	<i>On the full automorphism group of $SL(2, q)^b$-unitals</i>
15:15 – 16:15	Christian Weiß (Mülheim a.d.R.)	<i>Interval Exchange Transformations, Lyapunov Exponents and Discrepancy</i>
16:45 – 17:45	Christian Steinhart (Saarbrücken)	<i>Explosions in Outer Space</i>

Tuesday, December 18

08:45 – 09:45	Sebastian Baader (Bern)	<i>Geometric braid groups</i>
10:15 – 11:15	Felix Wellen (Pittsburgh)	<i>Abstract facts on formally étale maps</i>
11:30 – 12:30	Scott Mullane (Frankfurt)	<i>Positivity of the zero residue strata of differentials</i>

Lunch break

14:15 – 15:15	Sven Caspart (Karlsruhe)	<i>Translation manifolds and their Singularities</i>
15:45 – 16:45	Ferrán Valdez (Morelia)	<i>Around big Mapping Class Groups</i>
17:00 – 18:00	Samuel Lelièvre (Paris)	<i>Periodic billiard trajectories in the regular pentagon</i>
from 19:00	W e i h n a c h t s f e i e r in the Jubez-Café	

Wednesday, December 19

09:00 – 10:00	Mladen Dimitrov (Lille)	<i>Uniform boundedness for the rational torsion of abelian 3-folds of Picard type</i>
10:30 – 11:30	Steffen Kionke (Karlsruhe)	<i>Profinite invariants of arithmetic groups</i>
11:45 – 12:45	Hannah Markwig (Tübingen)	<i>Tropical curves and their moduli spaces</i>

L u n c h b r e a k

14:15 – 15:15	Martin Ulirsch (Frankfurt)	<i>Tropical Brill-Noether theory and Prym varieties</i> This talk is in room -1.025.
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All talks except for the last one will take place in **Seminarraum 1.067** in the Mathematics building (building 20.30).

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