

Arithmetik an der A7 - Tentative Program

Thursday, 23.03.2023

14:00 - 14:05 Welcome

14:05 - 15:45 Session 1

- Helmut Maier (University of Ulm): Prime avoidance
- Carsten Elsner (FHDW Hannover): Diophantine Analysis around $[1, 2, 3, \dots]$
- Jörn Steuding (University of Würzburg): How to distinguish cospectral graphs?

15:45 - 16:15 Coffee Break

16:15 - 17:45 Session 2

- Daniel Berger (Hochschule RheinMain): Infrastructure for real quadratic number fields
- Knud Ahrens (University of Passau): Counting roots modulo C
- Maximiliane Weishäupl (University of Regensburg): Committing Authenticated Encryption

Friday, 24.03.2023

9:00 - 10:30 Session 3

- Teerapat Srichan (Kasetsart University, Bangkok): On parity of a restricted partition function (online)
- Leon Weingarten (University of Würzburg): Lindelöf for Primes
- Athanasios Sourmelidis (TU Graz): Pair Correlation of the Fractional Parts of an^θ

10:30 - 11:00 Coffee Break

11:00 - 12:30 Session 4

- Steffen Reith (Hochschule RheinMain): An Application of Galois theory to boolean logic
- Martin Rehberg (DB Systel): Quantum Complexity beyond Factorization and Discrete Logarithms
- Thomas Aulbach (University of Regensburg): Multivariate Cryptography: About Oil and Vinegar and Mayo