

# Final Program

## NIKOLAUS CONFERENCE 2022

(Lehrstuhl für Algebra und Zahlentheorie, RWTH Aachen)

All talks were in [room SeMath \(008\)](#) in the ground floor of Pontdriesch 14-16.  
Meeting point and coffee breaks were at Lehrstuhl für Algebra und Zahlentheorie in the first floor of the same building.

### Friday, December 9, 2022

- 2.31–2.52pm     **Rafał Lutowski** (Gdańsk): *Complex Vasquez Invariant*  
3.01–3.21pm     **Maria Chlouveraki** (Athens): *Defects and Weights of Blocks*  
**(coffee and discussion)**  
4.41–5.01pm     **Caroline Lassueur** (Kaiserslautern): *On the Source-Algebra Equivalence Class of a Cyclic Block*  
5.14–5.38pm     **Annika Bartelt** (Kaiserslautern): *Principal Blocks of Symmetric and Alternating Groups for Different Primes*  
5.46–6.06pm     **Gunter Malle** (Kaiserslautern): *On a Lower Bound for the Number of Brauer Characters*  
7.00pm–??       **Evening session and dinner** (in the [Pontgarten](#), [Pontstraße 154](#))

### Saturday, December 10, 2022

- 10.31–10.52am   **Sören Böhm** (Bochum): *On  $G$ -Complete Reducibility and  $G$ -Irreducibility - a Notion of  $J$ -P. Serre*  
11.01–11.16am   **Eda Kaja** (Darmstadt): *Classification of Non-Solvable Groups whose Power Graph is a Cograph*  
11.31–11.52am   **Bettina Eick** (Braunschweig): *Galois Trees in the Graphs Associated with the  $p$ -Groups of Maximal Class*  
**(lunch break)**  
2.01–2.22pm     **Patrick Serwene** (Dresden): *Exotic and Block-Exotic Fusion Systems*  
2.31–2.54pm     **Barbara Baumeister** (Bielefeld): *The Dual Approach to Coxeter and Artin Groups: Quasi-Coxeter Elements*  
3.01–3.20pm     **Yasir Kızmaz** (Halle): *On Thompson's Critical Subgroup*  
**(coffee and discussion)**  
4.41–5.00pm     **Imke Toborg** (Halle): *Subgroup Lattices of Groups*  
5.11–5.28pm     **Marie Roth** (Kaiserslautern): *Unitriangularity of Decomposition Matrices for Exceptional Simple Adjoint Groups of Lie Type*  
5.38–6.00pm     **Jonas Hetz** (Stuttgart): *Ree's Formula and the Generalised Springer Correspondence*  
7.00pm–??       **Research Cambridge Style!** (in the [Pontgarten](#), [Pontstraße 154](#))

Anyone was welcome to attend the talks.

Frank Lübeck