

# The Aachen GASICS Team

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**RWTH**AACHEN

# Names and Topics

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**Wolfgang Thomas (GASICS)**

**Erich Grädel (LINT = Logic for Interaction)**

**Christof Löding (tree automata, games)**

## **Games**

- **Jörg Olschewski (Infinite-state games)**
- **Martin Zimmermann (Weighted games)**
- **Frank Radmacher (Games over dynamic networks)**
- **Michael Holtmann (Memory and delays in games)**
- **Michaela Slaats (Pushdown automata and games)**

# Names Continued

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## Model-Checking

- Alex[andra] Spelten (Tree automata in model-checking)
- Wong Krianto (Automata over unranked trees)
- Ingo Felscher (Model-checking over products)
- Daniel Neider (Model-checking and learning)

## The logic group (Erich Grädel)

- Tobias Ganzow
- Lukasz Kaiser
- Roman Rabinovich
- Bernd Puchala
- Diana Fischer
- Michael Ummels

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- Solution of games and uniformization: In solvability condition  $\varphi(X, f(Y))$  study different types of  $f$

## Experiments with automata-theoretic algorithms

### Previous systems:

- **AMoRE (Automata, Monoids and Regular Expressions)**
- **GAST (Games and strategies, e.g. Jurdzinski-Vöge algorithm for parity games)**
- **Further issues: Büchi automata complementation and determinization**

### Perspectives?