

# Welcome to STACS 2025

Olaf Beyersdorff



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# Strong and diverse programme

Today: Tutorial by

- ▶ Albert Atserias (UPC Barcelona)
- ▶ Proof complexity and its relations to SAT solving



# Three invited talks

## Wednesday

- ▶ Daniel Dadush (CWI Amsterdam)
- ▶ A Strongly Polynomial Algorithm for Linear Programs with at most Two Non-zero Entries per Row or Column



# Three invited talks

## Thursday

- ▶ Anupam Das (University of Birmingham)
- ▶ Algebras for automata: reasoning with regularity



# Three invited talks

## Friday

- ▶ Susanna F. de Rezende (Lund University)
- ▶ Some Recent Advancements in Monotone Circuit Complexity



# 72 contributed talks

## Two tracks

- ▶ Track A: algorithms and data structures, complexity and games
- ▶ Track B: automata, logic, semantics and theory of programming programming

# Welcome address (today)

by the President

- ▶ of Friedrich Schiller University Jena
- ▶ Professor Andreas Marx





# Some logistics

## Venue: Rosensäle

- ▶ invited talks in this hall (Room 1)
- ▶ contributed talks in Rooms 1 & 2
- ▶ concert venue in the 19th century
- ▶ Franz Liszt and Clara Wieck (later Clara Schumann) performed here

## Two retreat rooms (marked 'Meeting room')

- ▶ one on this floor (Bohlenstube, from 1430)
- ▶ another one downstairs (opposite the reception)

# Social programme

## Reception

- ▶ today, 6:30 pm
- ▶ Volkshaus



# Social programme

## Conference dinner

- ▶ Thursday, 6:30 pm
- ▶ Volksbad



# Social programme

## Conference dinner

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# More practical matters

## Lunch vouchers

- ▶ in your conference pack
- ▶ exchange for a free meal in one of the two dinner halls of the University

## Your talks

- ▶ please use the computers provided in the lecture halls
- ▶ upload your presentation in advance

# Organising team

## Organisers

- ▶ regocnisable by their green badges

## SafeToC Advocates

- ▶ Marlene Gründel
- ▶ Tim Hoffmann
- ▶ Kaspar Kasche
- ▶ Thomas Schwentick
- ▶ Sylvain Schmitz
- ▶ Luc Spachmann

# Our sponsors



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LIMOS

# The Interactive Matching Challenge

## The game

- ▶ You are a historical person (check your badge)
- ▶ and look for another one (check your personalised leaflet).
- ▶ If found, please report to *stacs2025@uni-jena.de*
- ▶ If 40 matches are found, *Interactive Inference* will donate **1,000 Euro to STACS 2026**.





# Now

## Tutorial by

- ▶ Albert Atserias (UPC Barcelona)
- ▶ Proof complexity and its relations to SAT solving

