

# Prof. Matthias Weidlich

Faculty of Mathematics and Natural Sciences

Department of Computer Science

Databases and Information Systems



## Expertise

Prof. Weidlich chairs a research group on "Databases and Information Systems" at the Department of Computer Science. Earlier, he held positions at Imperial College London and the Technion - Israel Institute of Technology. The group focuses on data-driven analysis of process-oriented systems (process mining), approaches for efficient processing of continuous data streams, as well as methods for the design of workflows for exploratory data analysis. The algorithms and systems developed by the group have been successfully applied in diverse domains, reaching from health care through logistics to e-commerce.

## Scientific Services

Consulting and knowledge transfer in

- Process Mining, data-driven analysis of processes
- Scalable infrastructures for data stream processing
- Design of data analysis workflows

## Testimonials

- for a leading US cancer clinic: analysis and improvement of clinical processes based on the data of a real-time-locating-system
- for an international oil and gas group: development of techniques for detecting irregularities in streams of sensor data
- for a manufacturer of enterprise software: design of algorithms for efficient analysis of business process executions

## Topics / Trends

Big Data & Data Management  
Cloud Computing  
Internet of Things  
Software Development  
Knowledge Management

## Industries

Energy, Utilities & Raw Materials  
Finance, Insurance & Property  
Healthcare & Life Sciences  
Information & Communication  
Technology  
Mobility & Logistics  
Administration

## Mentor for Startup

FENISKA

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