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 - Isreal 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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