

Exemplarische Promotionsthemen:

Verifying Responsiveness for open Systems by Means of Conformance Checking

Similarity Measures for Scientific Workflows

Privacy-Aware Dynamic Coalitions - A Formal Framework

Automated Composition of timed Services in Medical Applications

Probabilistic Estimation of Unobserved Process Events

A Mechanized Verification Environment for Real-Time Process Algebras and Low-Level Programming Languages

Optimal Partners for Open Systems

Seamless Failover and Recovery of Stateful Services via Optimistic Replication

Congestion Control for Routing Overlays

Process Information and Guidance Systems: IT support for treatment processes in the hospital

Data flow control in distributed data analysis environments

Higher-Order Dynamics in Event Structures

From business process choreographies to their implementation

On the Foundations of Coalitions: Modeling Changes and Evolution of Workflows in Healthcare Scenarios

A Framework for Reliable and Dynamic Wireless Sensor-Actuator Networks

Certifying Distributed Algorithms

Scenario-based Design of Data-dependent Services

Adaptive Scheduling of Scientific Workflows

Distributed multidimensional Index Structures for Genomic Data

Verification of Hybrid Systems with Applications in Medical Context

Interacting Components with shared Data

Concurrency-based Refinement for Design and Verification of Petri net models

Interacting Components with shared Data

A Language - Based Approach to Scientific Workflows

Multicore and Main Memory Challenges for Data Access on Query Optimization

Constraint-based resource scheduling with BPMN treatment models

Operating Guidelines for Timed Services

Sicherheitsmechanismen für dienstbasierte Softwaresysteme