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System Architecture



Expertise

Many IT systems are (for good reasons) technologically, administratively, or spatially separate. It is the goal of middleware to integrate these systems, without merging them too intricately. Experience shows that this is not a trivial task. The chair of Systems Architecture investigates key issues that come up repeatedly: reliability/dependability, data security (and privacy), consistency of replicated data, performance and scalability. Autonomous subsystems should be able to auto-configure but also support coordination by an external operator. Currently, home automation is our premier application domain for studying the aforementioned research questions and to evaluate proposed solutions in practice.

Topics / Trends

Cloud Computing
Vehicle Assistant Systems &
Navigation Systems
Internet of Things
IT & Cyber Security
Communication(s) Systems
Logistic Systems & Processes

Industries

Information & Communication
Technology
Aerospace
Machinery & Plant Engineering
Mobility & Logistics