Introduction Models and Abstractions

Tools and Platforms

Distributed Snapshot, Global State Collection

Distributed Mutual Exclusion

Program Correctness

Time, Clock, Causality

Distributed algorithms for Graph problems

Faults and Fault-tolerance

Distributed Consensus

Distributed Transactions

Group communication

Self-stabilization

Replication

Coordination Algorithms: Leader Election, Synchronizers

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Applications: Sensor networks, P2P networks

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