

Distributed Systems Part II:

Distributed Transactional Systems

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Outline

- (6) Introduction
- (7) Distributed Systems Architectures
- (8) Transaction Model
- (9) Distributed Concurrency Control
- (10) Reliability
- (11) Replication
- (12) Modeling and Analysis of Distributed Applications

Organization

- Time and location:
 - Course: Monday, 14:15 - 16:00, Room 101-01-009/013
Thursday, 14:15 - 16:00, Room 101-01-009/013, bi-weekly.
 - Exercises: Thursday, 14:15 - 16:00, Room 101-01-009/013,
alternating with the lecture.
 - On Thursday, 26.06. we will have a lecture
- Final examination is oral for B.Sc. and M.Sc.
- Exam slots end of August and end of September
- For participation at the exam registration at the Prüfungsamt is mandatory
- there are no further prerequisites.

**All material about lectures and exercises can be found at the
web page for Part 1 of the course!**

Literature:

- G. Weikum, G. Vossen. *Transactional Information Systems*. Morgan Kaufmann, 2002.
- P. Bernstein, V. Hadzilacos and N. Goodman. *Concurrency Control and Recovery in Database Systems*. Addison Wesley, 1987. Download:
<http://research.microsoft.com/en-us/people/philbe/ccontrol.aspx>
- M.T. Özsu, P. Valduriez. *Principles of Distributed Database Systems*. Springer Verlag, 2001, 3Ed.