A Tutorial on Coordination Models and Languages

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Outline

**Lecture 1:** Motivation and background
- Modeling and controlling coordination
- The case of Linda

**Lecture 2:** Theoretical issues
- Basic coordination models
- Coordination models for mobile agents

**Lecture 3:** Coordination languages
- Declarative and OO coordination languages
- Coordination languages for mobile agents

**Lecture 4:** Coordination applications
- An exercise in exploiting coordination
- Coordination oriented components and middleware
- Agent-oriented coordination

**Main reference sources:**
- Proc. Int. Conf. on Coordination Languages, LNCS 1061/1282/1561/1906
- Proc. 30th, 31st and 32nd HICSS Conferences, Minitrack on Coordination
- Proc. IEEE WETICE 1996-2001, Tracks on Coordination
- Proc. ACM SAC 1998-2001, Tracks on Coordination
- Special Issues in TCS, SCP, Parallel Computing, and ACM TOSEM
- Book: *Coordination Programming*, Imperial College Press 1996
- Book: *Coordination of Internet Agents*, Springer 2001

**These slides:**