

Coordination Languages and Models

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Outline

Motivation and background

Lecture 1: An introduction to coordination

- Modeling and controlling coordination
- Basic coordination mechanisms: the case of Linda

Lecture 2: Theoretical issues

- Coordination models
- Coordination models for mobile agents

Lecture 3: Coordination languages

- Declarative and OO coordination languages
- Coordination languages for mobile agents

Lecture 4: Coordination in a sw engineering perspective

- An exercise in exploiting coordination
- Coordination oriented components and middleware
- Towards agent-oriented software engineering

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:

- <ftp://ftp.cs.unibo.it/pub/cianca/lipari/>

References:

- <ftp://ftp.cs.unibo.it/pub/cianca/lipari/rif.ps.gz>