Composita: Bringing Order To Agent Communications

Luc Bläser
IFS Institute for Software, HSR Rapperswil

Order in Message Communication

- Actor and many agent notion lack explicit interfaces
  - Which messages do agents exchange with whom and in which order?
  - These questions are decisive for program correctness
- Currently: must inspect all actor implementations
  - Abstract definition of communication is essential
  - But keep it simple, clear and well-readable!

The Composita Approach

- Protocols for Bilateral Communication
- Based on EBNF Grammar