Agent-Oriented Software Engineering Technical Forum Group

Chairs:
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Bath,UK. 17th, December, 2008

Agenda

10:30-12:30	Talks
12:30-13:30	Lunch
13:30-14:00	Talks
13:30-16:00	Definition of the proposal for the FIPA WG
16:15-18:00	Discussion about process metamodels

FIPA Methodology WG proposal

The aim of this WG

- The proposed work aims at
  - providing the possibility of representing **design processes** and **method fragments** through the use of a standardized structure
- Positive effects on AOSE:
  - allowing the creation of sharable repositories (method bases) and enabling an easier composition of new design processes.
  - Enabling the implementation of fragments in a CAME/ CAPE (Computer Aided Method/Process Engineering) tool supporting the designer during the construction phases.

Main steps of the work

Step	Description
1	identification of the process metamodel for process and fragment description
2	definition of a proper template for the description of agent-oriented design processes
3	definition of the method fragment structure and its documentation template
4	fragmentation of some existing design processes

Main steps of the work (1/4)

- The first step will be the identification of the most suitable process metamodel language for the representation of the existing design processes and fragments extracted from them
  - The OMG Software Process Engineering Metamodel 2.0 (SPEM) might be the natural candidate since it is already an accepted and diffused standard but a new standard (ISO 24744 - Metamodel for Development Methodologies) has to be considered as well

Main steps of the work (2/4)

- The second step will consist in the definition of a proper template for the description of agent-oriented design processes.
  - Such a template will, obviously, refer to the selected process metamodel and suggest the adoption of **good practices** in documenting existing processes as well defining new ones.

Main steps of the work (3/4)

- The third step will be the definition of the method fragment structure and its documentation template.
  - This work will start from the results obtained from the FIPA Methodology Technical Committee (years 2003-2005).

Main steps of the work (4/4)

- The fourth step will be the fragmentation of some existing design processes
  - This will be performed with the aim of defining guidelines and practices for processes fragmentation according to the specification provided in the Method Fragment Structure and Description Template.