Session 4 Discussion
Recorded by Clément Quinton, Politecnico di Milano, Italy

How to Capture Context and Context-dependent Behavior
Tetsuo Tamai (Organizer), Hosei University, Japan

Presentation of the different research projects (Kumiki)
Context-awareness is required in adaptive systems.

Context is determined by location, time, natural environment, technical environment, social environment...

In Context-oriented programming, layers modularize context-dependent behavior and are activated/deactivated

Contexts and Unit of Adaptation in Context-oriented Programming
Hidehiko Masuhara, Tokyo Institute of Technology, Japan

Context-dependent behavior: behavior specific to context.
COP affects modules (classes, objects, methods...)

Nice motivating example with the adventure game (drunk character, balloon for dialog)

But what is a context? Hero's status (drunk or not, boolean), location (town or field, structured)

Context may be external or internal, structural, about one or many objects.

The proposition is structure-based contexts, where a context is surrounding objects.

What is the context in self-adaptive systems?

Context-Oriented Programming for Adaptive Software Systems
Tetsuo Kamina, Ritsumeikan University, Japan

ServalCJ to express context
COSoft.Eng.: I think high connexion with feature-oriented engineering!

How to describe context. There are features, constraints, choices to be done, etc.

Feature modeling could be a solution (?)