

ECONET Project

Behaviour Abstraction from Code

Filling the Gap between Component Specification and Implementation

Working sessions

Version 2

Nantes - may, 13-16 2008



Workshop 2008 (schedule)

Workshop Schedule Overview (second version)

1 Assessment

- Monday \implies Metamodels (LCI)
- Tuesday \implies Metamodels (LCI Demo)
+ Structural Abstraction (COLOSS + OBASCO)
- Wednesday \implies Behaviour Abstraction (DSRG)

2 Organisation

- Wednesday \implies Cluj'Workshop, Social Event
- Thursday \implies Coordination, Planning, Roadmap

3 Contribution

- Tuesday, Thursday \implies CCMM validation
- Thursday \implies Experimentation assessment, technical discussions
- Thursday, Friday \implies Task, Responsibilities, Perspectives

More details on the Workshop Wiki

<http://www.lina.sciences.univ-nantes.fr/coloss/wiki/doku.php?id=econet:nantes2008:program08n>

Working Session Roadmap

- 1 Common Component Metamodel
- 2 Tools and techniques
- 3 Definition of the tasks
- 4 Production

Cluj Workshop

Common Component Metamodel

- Materials
- Discussions and Decisions
 - Concepts and relations
 - Architectural choices (core, concepts, specialisations, annotations, management, instances)
 - Tools
 - API and tools
- Others: Roundtrip
- Specification document

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Goal of days 2,4 = Clear agreement on the "common" metamodel

Tools and techniques

- Discussions on **Tools and techniques**
 - Experience feedback
 - Tools coordination
- Model Management
 - EMF, OCLE, oAW...
 - Rule based systems, checking
 - Compatibility
 - ...
- Re-engineering techniques
 - Java Compilers and Analysers
 - Patterns, rule based systems
 - Used notations and Intermediate layers (models)
 - ...

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(optimistic) Goal of day 4 = organize the implementation means

Definition of the tasks

- What to do ? on the project architecture
 - Metamodel
 - Process A
 - Process B
- Contributions ? a subset of
 - Common Metamodel definition
 - Annotation language definition (input of process A)
 - Tools Prototypes for Metamodel verification, Process A, Process B
- Synchronisation points =
A-interface, Metamodel def, B-Information def
- Planning deadlines
 - Workshop Nantes report
 - Workshop Cluj (end of august 2008)
 - Project Evaluation (november 2007)
 - Publications

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(optimistic) Goal of day 5 = each participant has a somewhat clear idea of what he will do

Production

- Workshop Report
 - Collect paper and slides (wiki)
 - One chapter per subproject **Please send them to me**
 - Summary of the presentations (1 page per presentation)
 - Assessment (what has been done)
 - Tools and techniques (panel, comparisons, design choices)
 - Objectives and organisation (goals, tasks,...)
 - Summary of the discussions
- Fix the participants objectives
- Documentation, research reports
- Intermediate results \implies Third Workshop (3 months only)
- Publications (conference, workshops to target)

see also the initial 'Second year objectives'

Working Session Organisation

- Plenary sessions ? metamodel + API
- Discussion groups ? interface definitions
- Ideas ?