Workshop on Service-Oriented Architectures and Software Product Lines - Putting Both Together (SOAPL 2008)

Software Engineering Institute
Carnegie Mellon University
Pittsburgh, PA 15213

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SPLC 2008, Limerick, Ireland

Software Engineering Institute | **Carnegie Mellon**

Agenda

09:00-09:15	Introductions and Goals
09:15-10:15	Invited Speaker: Dr Peter Dolog, Aalborg University
10:15-10:30	Break
10:30-12:30	Presentations and Discussions (20 minute time limit plus questions and discussion on each presentation)
12:30-14:00	Lunch
14:00-14:30	Final Presentation and Discussion (if necessary)
14:30-15:30	General Discussion
15:30-15:45	Break
15:45-17:00	General Discussion Continued
17:00-17:30	Conclusion: Goals Addressed, Topics for San Francisco, Future Work

Workshop Organizers

Sholom Cohen, Software Engineering Institute, USA

Dragan Gasevic, Athabasca University, Canada

Andreas Helferich, Universität Stuttgart, Germany

Robert Krut, Software Engineering Institute, USA

Jaejoon Lee, Lancaster University, UK

Grace Lewis, Software Engineering Institute, USA

Tomi Männistö, Helsinki University of Technology, Finland

Curt Pederson, American Family Insurance, USA

Dennis Smith, Software Engineering Institute, USA

Christoph Wienands, Siemens Corporate Research, USA

The First Workshop on Service-Oriented Architectures and Product Lines (SOAPL 2007)

Part of the 2007 Software Product Line Conference (SPLC 2007), 10 September 2007, Kyoto, Japan.

Service Oriented Architectures and Product Lines - What is the Connection?

SOAPL 2007 explored the connections from two perspectives:

1. Can services support product lines using a service-oriented architecture?

2. How can use of product line practices support services and service-oriented architectures?

Proceedings of the First Workshop on Service-Oriented Architectures and Product Lines (CMU/SEI-2008-SR-006).

http://www.sei.cmu.edu/publications/documents/08.reports/08sr006.html

The Second Workshop on Service-Oriented Architectures and Product Lines (SOAPL 2008)

Service Oriented Architectures and Product Lines - Putting Both Together

SOAPL 2008 explores experiences in integrating SOA and SPL:

1. How web services have been used to support product lines using a service-oriented architecture?

2. How product line practices have been used to support web services and service-oriented architectures?

Participants in the workshop hopefully includes product line and service-oriented practitioners who have experience in integrating service-oriented architectures and software product lines approaches.

Five position papers were accepted.

Accepted Papers

Combining Product Line Engineering and Service Oriented Architecture in Health Care Infrastructure Systems: Experience Report
Jörg Bartholdt, Bernd Franke, Christa Schwanninger, and Michael Stal, Siemens AG

Semantic Web Services-based Reasoning in the Design of Software Product Lines
J. Jeffrey Rusk and Dragan Gasevic, Athabasca University

Service-Oriented Product Lines: A Development Process and Feature Management Model for Web Services
Sebastian Gunther, Otto-von-Guericke-Universitat Magdeburg, and Thorsten Berger, Universitat Leipzig

Imaging Services on the Grid as a Product Line: Requirements and Architecture
Mathieu Acher, Philippe Collet, Philippe Lahire, and Johan Montagnat, Universite de Nice

Business Process Lines for SOA Development through SPL Paradigm
Nicola Boffoli, Danilo Caivano, Daniela Castelluccia, Fabrizio Maria Maggi, and Giuseppe Visaggio, University of Bari - Via E.

Workshop Theme

Two major themes for this year's workshop:

      1. variability and variability mechanisms

      2. product composition

      both within the context of SOA and product lines.

All of the papers touched on one or both of those themes.

These topics will provide a starting point for the workshop.

Other suggested topics:

- in advance

- as papers are presented and discussed

Invited Speaker

Dr. Peter Dolog

Associate Professor

Computer Science Department

Aalborg University

Leads the Intelligent Web and Information Systems (IWIS) group

includes adaptive hypertext and hypermedia, user modelling, personalization, web based systems, web services, software product lines and technology enhanced learning.

Presentation Title:

Feature Based Design of Web Service Transaction Compensations

Workshop Topics

How have web services been used to support product lines using a service-oriented architecture?

How have product line practices been used to support web services and service-oriented architectures?

Additional topics:

- variability and variability mechanisms

- product composition

Conclusion

Were the goals of this workshop addressed? Comments?

What would you recommend as the topic for San Francisco?

What future work in this area will you be doing?

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