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24.-26.03.2015
 Die Woche der
Anwendungsentwicklung auf IBM
System z

24.-26.03.2015
 GSE: European Working Group
 "European Enterprise Modernization
 for zOS"

16.-18.03.2015
 REConf 2015, Bridging Gaps -
 Connecting People
 REConf 2015,
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22.-26.09.2014 Leipzig University
 Autumn School: "Systematic Reuse"

22.-26.09.2014
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21.-23.05.2014
 Developer's Day Karlsruhe - Lecture:
 "Software Development - Model-driven
 and Still Agile"

09.-11.04.2014
 Code Generation 2014 - Lecture:
 "MDSI - Practice what you preach"

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Find more here: [Die Woche der
 Anwendungsentwicklung auf IBM
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in the German-speaking countries
 in the field of Requirements Ma-
 nagement. The conference covers
 both the classic requirements ma-
 nagement and the agile require-
 ments management approach. It
 bridges the gap between the clas-
 sic and the agile world.

- 2 Days Conference
- 2 Days Workshops
- Demonstration of Tools and Support
- 16th till 19th March 2015, Mu-
 nich

Christian Bucholdt and Delta
 present on [18th March 2015 am
 13:30 - 14:15 o'clock](#):

"Tools support for the re- quirement engineering for the modernization of legacy system - Procedure and Example"

IT systems with origins in the
 1980's or even earlier, still form the
 core of business-critical applica-
 tions at e.g. banks and insurance
 companies. The maintenance of
 these systems still determine a
 large part of the system develop-
 ment in these companies. Especial-
 ly the integration of new require-
 ments in the existing system is
 often associated with considerable
 effort. At some point, a further

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Bridging Gaps -
 Connecting People

The Requirements Engineering
 Conference has established itself

development is no longer useful or possible, as the necessary expertise about the application and development techniques used is not available anymore or because current requirements cannot be implemented technologically. For a modernization projects, the question arises how the functionality of the legacy system can be identified and described usefully in requirements in order to assist the development of a new system. The applications are usually very large and complex, so a manual determination of requirements, even with the support of specialist staff, is very expensive and error-prone if possible at all.

Therefore, we propose an approach which focuses on the automated analysis of the legacy system. This analysis identifies the architectural description of the legacy system. Architectural elements are to be determined and classified into a defined architecture concept. This architectural concept is independent of the original and future technologies and therefore easily accessible for new developers. As part of this process, metrics for complexity description of the architecture are determined. So you can using these metrics assess them and decide whether the most complex components to be upgraded first or last.

We present the above process with the example of modernizing macro-based generators aiming at the modernization of these these generator. The process and a first tool development was carried out in the context of the research project AmAVaG, funded by the German Ministry for Education and Research. The concept has been implemented in a prototype during the project and validated using different lar-

ge IT systems in the financial and the public sector.

Our speakers

Christian Bucholdt

Christian Bucholdt is a freelance IT consultant. He contributes the experience from several international projects. Amongst other things he has been strongly involved in the implementation of a tool-platform for the requirement engineering and software development for a large Swiss bank. Currently he manages the IT program for the implementation of international requirements at UBS AG. Mr. Bucholdt also works as a research partner in the AmAVaG project sponsored by the Federal Ministry of Education and Research.



Daniela Schilling

Daniela Schilling has a doctorate at Paderborn University (2006) with focus on formal software. She worked as a Project Leader by well-known automotive companies from 2006 till 2011. She joined Delta Software in 2011 as a Program Manager "New Technology". Since 2013 she is CEO.



REConf 2015 with Delta

We are glad to welcome you on the REConf. Discuss with us, how to automatically analyze legacy systems and the represent the results in a language-neutral way.

The complete program can be found here:

www.reconf.de/reconf/reconf-2015/

You don't have time to meet us at ReConf? Contact us, we would like explain the concept in a personal

conversation.

22.-26.09.2014
Leipzig University Autumn School:
"Systematic Reuse"

Find more here: VaMoS - Variability Modelling of Software-intensive Systems

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21.-23.05.2014
Developer's Day Karlsruhe -
Lecture: "Software Development -
Model-driven and Still Agile"

Home Advantage – Software Quality from Germany

The Conference for Software Development

11 different tracks on two days, 6 tutorials on the third day, 68 accepted contributions, 4 keynotes and 6 "invited talks" – software quality from Germany is pure complexity. And that's what it's all about on the Developer's Day Karlsruhe 2014.

- 21st to 23rd May 2014, IHK Karlsruhe



Delta presents:

Software Development – Model-driven and Still Agile

21st May 9:30-10:15 AM

The model-driven software development is a guarantor for quality and efficiency. Models, generators and domain-specific languages (DSLs) are the basis and also software itself. But they are developed with conventional processes and as a result their development cannot be integrated into agile processes. We demonstrate how you can develop models, generators and DSLs in an agile way and also take advantage of model-driven development in agile processes in this way.

Tailor-made generators incl. DSL are often not required from the beginning of the development process, but when an application, a partial system or a prototype has been developed. Exactly these artefacts are the basis for our approach for the agile and model-based development of generators and DSLs.

The generator is stepwise derived from the existing artefacts by identifying the variable parts and connecting them with the Meta model. Also the DSL is gradually build and connected with the Meta model. The Meta model is built stepwise in the same way as generator and DSL have been extended. The step size can be freely selected. After each development step an operational generator incl. DSL is available. By connecting generator and DSL with the Meta model, both fit together but can be developed, extended and modified independently. In this way, the development of tailor-made generators and DSLs can be perfectly integrated into an agile deve-

EVENTS 2014 - 2015

Our product: HyperSenses provides a model-driven environment for the production of generators and DSLs. It allows a step by step and iterative development process based on the reuse of proven code (fragments).

Our speaker: Dr. Daniela Schilling

PhD computer science at the University of Paderborn 2006 with focus on formal software analysis. From 2006 to 2011 Daniela Schilling worked as project manager within the automotive industry. In 2011 she joined Delta Software Technology GmbH as Program Manager “New Technologies”. She became managing director in 2013.

Developer's Day Karlsruhe with Delta

We are looking forward to welcome you on the Developer's Day Karlsruhe. Discuss with us how the development of tailor-made DSLs and generators can be integrated into an agile development process. The complete program of the Developer's Day Karlsruhe can be found here:

<http://entwicklertag.de/karlsruhe/2014/programm>
(Website available only in German)

You don't have time to attend the Developer's Day Karlsruhe? Then get in touch with us. We look forward to explain the concepts of HyperSenses in a personal discussion.



09.-11.04.2014

Code Generation 2014 - Vortrag: "MDS - Practice what you preach"

European's leading hands-on conference on Code Generation.

3 Day Conference.

Workshops, experience reports, case studies and tutorials

Social evenings

Peer learning opportunities

High value, low cost event delivering honest learning you can use immediately. Actively learn, share experiences, techniques.

9th to 11th April 2014, Cambridge, UK

Delta presents:

MDS - Practice what you Preach

11th April 13:15 - 14:45

We believe that software is best developed in a model-driven way with DSLs and code generators. But generators and DSLs themselves are seldom developed in a model-driven way. That makes it a time consuming and error prone task. Why don't we produce them according to the same principles?

HyperSenses provides a model-driven environment for the production of generators and DSLs. It allows a step by step and iterative development process based on the reuse of proven code (fragments).



EVENTS

2014 - 2015



HyperSenses is the way to practice what you preach.

In this session we will explain the ideas behind HyperSenses and demonstrate the Environment.

Our Speakers: Daniela Schilling and Reg Mulder

Daniela Schilling, PhD computer science at the University of Paderborn 2006 with focus on formal software analysis.

From 2006 to 2011 Daniela Schilling worked as project manager within the automotive industry.

In 2011 she joined Delta Software Technology GmbH as Program Manager “New Technologies” which also includes the responsibility for HyperSenses. She became managing director in 2013.

Reg Mulder graduated with an MA Scientific Research of Objects of Art at the University of Groningen 1987. He started a career in ICT and became involved with Software Lifecycle Management. He joined Delta Software Technology in 1992.

Code Generation 2014 with Delta

We from Delta look forward to meet you at Code Generation 2014. Discuss with us how model driven development methods can be applied to the development of DSLs and generators.

Here you will find the complete overview of all lectures: <http://codegeneration.net/cg2014/programme/>

No time to join Code Generation 2014? Please get in touch with us, we then present you the concepts of HyperSenses when it fits in your agenda.

Free Delta-Newsletter

Our regular newsletter delivers information on upcoming events, current projects, case studies, new product announcements and general news that we think will be of interest to you. Subscribe to our free newsletter today.

www.delta-software.com/newsletter

