

MODELS18 Slides Collection

(Models@run.time) On tFmanu

<https://www.slideshare.net/WilliamWei10/on-the-transition-from-design-time-to-runtime-modelbased-assurance-cases>

(OCL & Textual Modeling) Efficient Validation of Large Models using the Mogwai Tool

https://fr.slideshare.net/g_daniel/efficient-validation-of-large-models-using-the-mogwai-tool

(EXE Keynote) Model Execution: Past, Present and Future - Benoit Combemale

<https://www.slideshare.net/BenotCombemale/model-execution-past-present-and-future>

(Industry Day) Applying Model-Driven Engineering to High Performance Computing

<https://www.slideshare.net/secret/s1sdnN6Lvtkui6>

(OCL & Textual Modeling) Parallel Execution of First-Order Operations

https://drive.google.com/file/d/19KCW_RYr9i1LlqBx_SO_1paZdHSX9aEM/view

(MRT) Time-aware model querying for self-explanation in self-adaptive systems:

<https://www.slideshare.net/bluezio/mrt-2018-reflecting-on-the-past-and-the-present-with-temporal-graph-models>

(MDE4IoT) Static Analysis of Complex Event Processing Programs <https://www.slideshare.net/LoliBurqueo/static-analysis-of-complex-event-processing-programs>

(MORSE) A Context-Based Behavioral Language for IoT

<https://docs.google.com/presentation/d/1w9Cozg71baxQHxbeocCrAsfWomypzf4r1fZFr7PIphM/edit?usp=sharing>

(MORSE) Model-based Metacontrol For ROS Systems

<https://surfdrive.surf.nl/files/index.php/s/iOMBA6WfIhnIj7n>

(MULTI) The bicycle challenge in DMLA, where validation means correct modeling

https://www.aut.bme.hu/Upload/Pages/Research/VMTS/DMLA/Models_2018_DMLA.pdf

(MDETools) An LSP infrastructure to build EMF language servers for Web-deployable model editors

<https://www.slideshare.net/rre/an-lsp-infrastructure-to-build-emf-language-servers-for-webdeployable-model-editors>

(COMMitMDE'18) Eclipse Hawk: model repository querying as a service

<https://www.slideshare.net/bluezio/commitmde18-eclipse-hawk-model-repository-querying-as-a-service>

(MRT'18) Reflecting on the past and the present with temporal graph-based models

<https://www.slideshare.net/bluezio/mrt-2018-reflecting-on-the-past-and-the-present-with-temporal-graph-models>

(T1 Hawk) Taming large models with NeoEMF and Hawk

<https://github.com/SOM-Research/hawk-neoemf-models-2018-tutorial/>

(CommitMDE) A General Toolset Architecture for Collaborative MBE Development

https://drive.google.com/file/d/1g7_YiVbFp7RoFkACoxYFBp5T7hRrpFEO/view?usp=sharing

(ModComp) The Forgotten Interfaces: A Critique of Component-based Models of Computing

(CommitMDE'18) Handling constraints in model versioning

<https://drive.google.com/file/d/1Fv1KU4N-HQYJR51RSjbMNZkW-fxgQol/view?usp=sharing>

(MORSE'18) CommonLang: A DSL for defining robot tasks

https://drive.google.com/file/d/1pMa5NYHGyn8BtbAmOiP9mLjg_ARqr3xq/view?usp=sharing

(ModComp2018) On the Model-driven Synthesis of Adaptable Choreographies

<https://www.slideshare.net/claودیdyd/on-the-model-driven-synthesis-of-adaptable-choreographies/claودیdyd/on-the-model-driven-synthesis-of-adaptable-choreographies>

(GEMOC2018) Tool-Support of Socio-Technical Coordination in the Context of Heterogeneous Modeling mbse

<https://www.slideshare.net/rominaeramo5/ooolsupport-of-sociotechnical-coordination-in-the-context-of-heterogeneous-modeling-gemoc2018/rominaeramo5/ooolsupport-of-sociotechnical-coordination-in-the-context-of-heterogeneous-modeling-gemoc2018>

(GEMOC2018) Adding a HenshinEngine to GEMOC Studio: An experience report (Steffen Zschaler)

<http://gemoc.org/pub/20181015-GEMOC18/gemoc18-zschaler-slides.pdf>

(MDETools2018) Improved Traceability for Bidirectional Model Transformations

<https://www.slideshare.net/rominaeramo5/improved-traceability-for-bidirectional-model-transformations-mdetools2018>

(ME2018) c

https://univaq-my.sharepoint.com/:p:/g/personal/juri_dirocco_univaq_it/EU3mGcZYripBsERY0e7cP6IBb_DoDRP4oyeHFVBNzvGoNA?e=yAFvef

(DocSymp 2018) The Obstacle is the Way: Joyriding on the PhD Roller Coaster (Jeff Gray)

https://drive.google.com/file/d/19p6jxUTpoJ_VrDCI_k-kGgx2IVi2VJN1/view

(MBSE Meeting) [Thibaud Thomas](#) MODEL BASED SYSTEM ENGINEERING - DEPLOYMENT @

PLASTIC OMNIUM. https://drive.google.com/open?id=1mPHiUNlw_wsIQM4dtD3bAUXJSxJYt4b

(MBSE Meeting) Pascal Roques, PRFC. MBSE Adoption Challenges - Focus on Arcadia / Capella

<https://drive.google.com/open?id=1jMjtc2t4rHCkNIoxUi6iXUu4PQw1-aIx>

(MBSE Meeting) Jesko Lamm, Bernafon. MODEL-BASED SYSTEMS ENGINEERING (MBSE) USING FUNCTIONAL ARCHITECTURES

<https://drive.google.com/open?id=1bxiyx6fnvzNmIniShTfBJ4pCiWEtHmRJ>

(MBSE Meeting) Christian Zingel, AVL. MODEL-BASED SYSTEMS ENGINEERING

<https://drive.google.com/open?id=1vIK7Y-oXtyrLLrcbUwS-Zk8kjWCFzs0Z>

(PAINS) Nikolaus Regnat (Siemens): Applying model based approaches in industry environments: key challenges and issues

<https://drive.google.com/file/d/1-30TXSaHKKKArmsi2BrN4n9FWsdiuluT/view?usp=sharing>

(PAINS) Stefan Kriebel (BMW Group): Pains in Modeling: SysML-based Deployment in an

Engineering Domain https://drive.google.com/file/d/1CB_r419iqfgOm3hkWX-XMw_-zpJrF8NS/view

(EXE) Precise Semantics Standards at OMG: Executing on the Vision

<https://www.slideshare.net/seidewitz/precise-semantics-standards-at-omg-executing-on-the-vision>

(PAINS) Pains with MDE

https://drive.google.com/file/d/1ApWhbS6bDRZMYI-NDHMXtTrguGtVwN6_/view?usp=sharing

(MBSE) SysML v2 and MBSE: The Next Ten Years

<https://www.slideshare.net/seidewitz/sysml-v2-and-mbse-the-next-ten-years>

(MoDeVva keynote) V&V for behavioral modeling in practice
<https://www.slideshare.net/secret/bAr1MAkkUzjiqJ>

(Edusymp 2018) Towards a Body of Knowledge for Model-Based Software Engineering
<https://www.slideshare.net/avallecillo/edusymp2018-mbebok>

(MoDeVva) Generation of test strategies for Model-based Functional Safety testing using an Artifact-centric approach
https://drive.google.com/open?id=1bpePBEHdC_GjM4ykHXNVVmh7nSz15j97

(MoDeVva) Balancing Model Usability and Verifiability with SBVR and Answer Set Programming
<https://drive.google.com/open?id=1BHdsohTYRfNng92EZhs4d8glx2qyishv>

(Pains) The PAINS after 15 years of practicing MDE
<https://drive.google.com/file/d/1klwxwyx8txvJEug5CzUs3L0HdpBMo2Nz/view?usp=sharing>

(AMMoRe) Exploring model repositories by means of megamodel-aware search operators
<https://docs.google.com/presentation/d/15PB3fFM7Ldc5UzoiOWWpvBh-JEnYz5ka5BMHQdfoghQ/edit?usp=sharing>

(Edusymp 2018) Teaching Software Language Engineering and Usability through Students Peer Reviews (Fabian Gilson, University of Canterbury)
https://drive.google.com/file/d/1ERjPdEuKYpYGc16_aPEMEMLzVKxNONe0/view?usp=sharing

[T12: ML+FV=♥] A Gentle Introduction to the Application of Machine Learning in Formal Verification (Tools)
<https://drive.google.com/file/d/1Ooyc2h7NMUz-xr-CfsJZ1raZi73RcEHZ/view?usp=sharing>

(GEMOC) A Common Integrated Framework For Heterogenous Modelling Services:
<https://drive.google.com/file/d/1KZGPTRVjvo2LiYSy8DsstrUWyBkFCwuX/view?usp=sharing>

(EduSymp) We'll Make Modelers Out of 'Em Yet: Introducing Modeling into a Curriculum
<https://drive.google.com/file/d/1Nh-oHaV9yMGvzizWrVLMZJmCg8WjHKF2/view?usp=sharing>

(Industry Day @ MODELS) Automated and Scalable Solutions for Software Testing: The Essential Role of Model-Driven Engineering
https://www.slideshare.net/briand_lionel/automated-and-scalable-solutions-for-software-testing-the-essential-role-of-model-driven-engineering

(ModComp) Compilation of Reo protocols to Promela for verifying their LTL properties
<https://drive.google.com/file/d/1pHGLLviRBtlf07Zdl16XUfcY1MiWgxKX/view?usp=sharing>

(Main Conference: Foundations) Expressing Confidence in Models and in Model Transformation Elements
<https://www.slideshare.net/LoliBurgueo/expressing-confidence-in-model-and-model-transformation-elements>

(Main Conference: Foundations) On the Quest for Flexible Modelling
https://www.slideshare.net/miso_uam/kite-119795322

(Main Conference: Foundations) Model Transformation Product Lines
https://www.slideshare.net/miso_uam/mtpls

(Main Conference: Foundations) Expressive and Efficient Model Transformation with an Internal DSL of Xtend

<https://www.slideshare.net/aboronat/expressive-and-efficient-model-transformation-with-an-internal-dsl-of-xtend>

(Main Conference: Foundations) Engineering Software Diversity: a Model-Based Approach to Systematically Diversify Communications

<https://speakerdeck.com/bmorin/engineering-software-diversity-a-model-based-approach-to-systematically-diversify-communications>

(RobMoSys tutorial slides) <https://robmosys.eu/modelsconf2018/>

(AMMoRe Invited Talk) Process model management and analytics

https://modelanalytics.files.wordpress.com/2018/10/ammoremodels18_bw.pdf

(AMMoRe) Automatic model repair using reinforcement learning

https://modelanalytics.files.wordpress.com/2018/10/ammore18_1.pdf

(AMMoRe) Model analytics for feature models: case studies for S.P.L.O.T. repository

https://modelanalytics.files.wordpress.com/2018/10/ammore18_2.pdf

(Main Conference: Foundations | New Ideas and Vision Paper) Refactoring Architecture Models

https://publications.taid.holmes.info/talks/conf/models/2018/2018-MODELS_Holmes.pdf

(MDEbug) Keynote and paper presentations

<https://msdl.uantwerpen.be/conferences/MDEbug/2018/index.php/program/>

(Tutorials) Developing Reactive Systems with Statecharts

<https://msdl.uantwerpen.be/cloud/public/d4ec64>

(Main Conference: SoSyM First) Using language workbenches and domain-specific languages for safety-critical software development <http://voelter.de/data/presentations/voelter-models-sosym.pdf>

(MDE4IoT) Static Analysis of Complex Event Processing Programs

<https://www.slideshare.net/LoliBurgueo/static-analysis-of-complex-event-processing-programs>

(Main Conference: SoSyM First) A Feature-based Survey of Model View Approaches

<https://www.slideshare.net/HugoBruneliere/a-featurebased-survey-of-model-view-approaches-sosym-first-models-2018-copenhagen-denmark>

(Main Conference: P&I) Towards Scalable Model Views on Heterogeneous Model Resources

<https://www.slideshare.net/HugoBruneliere/towards-scalable-model-views-on-heterogeneous-model-resources-models-2018-copenhagen-denmark>

(Main Conference: Keynote) Modeling air pollution: Informing policies to address a global environmental challenge

https://www.dropbox.com/s/6dm1uc01zvm8wk3/models_cph_selin_oct2018_final.pdf?dl=0

(Main Conference: Foundations) Towards a Language Server Protocol Infrastructure for Graphical Modeling

<https://www.slideshare.net/rre/towards-a-language-server-protocol-infrastructure-for-graphical-modeling>

(PAINS) PAINS IN ADOPTING MDE FOR SAFETY IN HIGHLY-AUTOMATED DRIVING

<https://drive.google.com/file/d/1-wZVFKD9eAz2KXV90-UGJouHtSzDiBS/view?usp=sharing>

(Main Conference: Foundations) Incremental View Model Synchronization Using Partial Models

<https://www.slideshare.net/KristfMarussy/incremental-view-model-synchronization-using-partial-models>

(Main Conference: Foundations) Extending CEP to graph-structured information

<https://www.slideshare.net/avallecillo/extending-complex-event-processing-to-graphstructured-information>

(FlexMDE) Program and slides

https://docs.google.com/document/d/1b4tp84vy6a77hU6R5DzbNeA_wHjz29LwDSftoUzC2N8/edit

(MULTI) Program and slides <https://www.wi-inf.uni-duisburg-essen.de/MULTI2018/#program>

(OCL & Textual Modeling) Using process algebra to statically analyze incremental propagation graphs

<https://drive.google.com/file/d/1FcxCYxxJehueeloEFcprDU-ki6ONHiXi/view?usp=sharing>

(Edusymp Keynote) Teaching and learning about abstraction

<https://www.youtube.com/watch?v=YLKVRDAb5nM>

(Main Conference: Foundations) Model-Driven Trace Diagnostics for Pattern-based Temporal Specifications

https://www.slideshare.net/briand_lionel/modeldriven-trace-diagnostics-for-patternbased-temporal-specifications-119899944

(Main Conference: Foundations) Model-Based Software Engineering: A Multiple-Case Study on Challenges and Development Efforts. R Jolak et al.

<https://www.slideshare.net/aburrod/modelbased-software-engineering-a-multiplecase-study-on-challenges-and-development-efforts>

(Main Conference: Practice & Innovation): Effort Used to Create Domain-Specific Modeling Languages

<https://www.slideshare.net/JuhaPekkaTolvanen/effort-used-to-create-domainspecific-modeling-languages>

(DocSymp 2018) Context-Aware Traceability Across Heterogeneous Modelling Environments

https://drive.google.com/open?id=1pfd8b2i5fVjV6AjMjV_VuBBsBUMyBCt1

(Main Conference: Practice & Innovation) Efficient use of local energy

<https://alexrio.fr/user/pages/03.publication/activity-oriented-modeling-presentation.pdf>

(EduSymp18) Practicing Domain-Specific Languages: From Code to Models

https://github.com/mosser/sec-labs/blob/master/18_10_edusymp.pdf

(GEMOC) Model Consistency ensured by Metamodel Integration

<http://www.se.uni-oldenburg.de/documents/MeierWinter2018GEMOC-slides.pdf>

(EXE) Why Executable Models are a Requirement for our Customers

https://modelexecution.org/wp-content/uploads/exe/exe2018/EXE_2018_slides_industrytalk2_TaylorRiche.pdf

(EXE) A generic solution for weaving business code into executable models

https://modelexecution.org/wp-content/uploads/exe/exe2018/EXE_2018_slides_paper2-EricCarriu.pdf

(EXE) On executable models that are integrated with program code

https://modelexecution.org/wp-content/uploads/exe/exe2018/EXE_2018_slides_paper3-MarcoKohnersmann.pdf

(EXE) Tool demonstration on PauWare

https://modelexecution.org/wp-content/uploads/exe/exe2018/EXE_2018_slides_demo2_PauWare.pdf

(EXE) Tool demonstration on Papyrus for xtUML

https://modelexecution.org/wp-content/uploads/exe/exe2018/EXE_2018_slides_demo4_xtUML.pdf

(EXE) Tool demonstration on LieberLieber Embedded Engineer

https://modelexecution.org/wp-content/uploads/exe/exe2018/EXE_2018_slides_demo6_EmbeddedEngineer.pdf

Main Conference: Foundations | Improving the Developer Experience with a Low-Code Process Modelling Language

https://docs.google.com/presentation/d/1Knrg3IAJZThehiv0XI8sY_MqwsO1xkWWG8arWdjozWo/edit?usp=sharing