

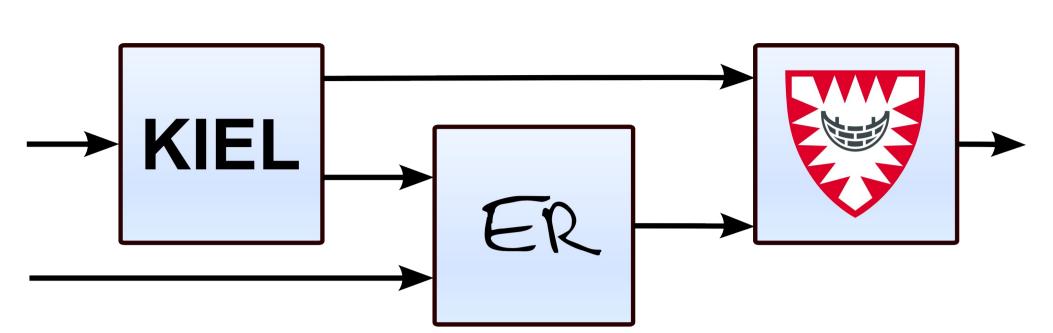
Institut für Informatik

CAU

Christian-Albrechts-Universität zu Kiel

Faculty of Engineering

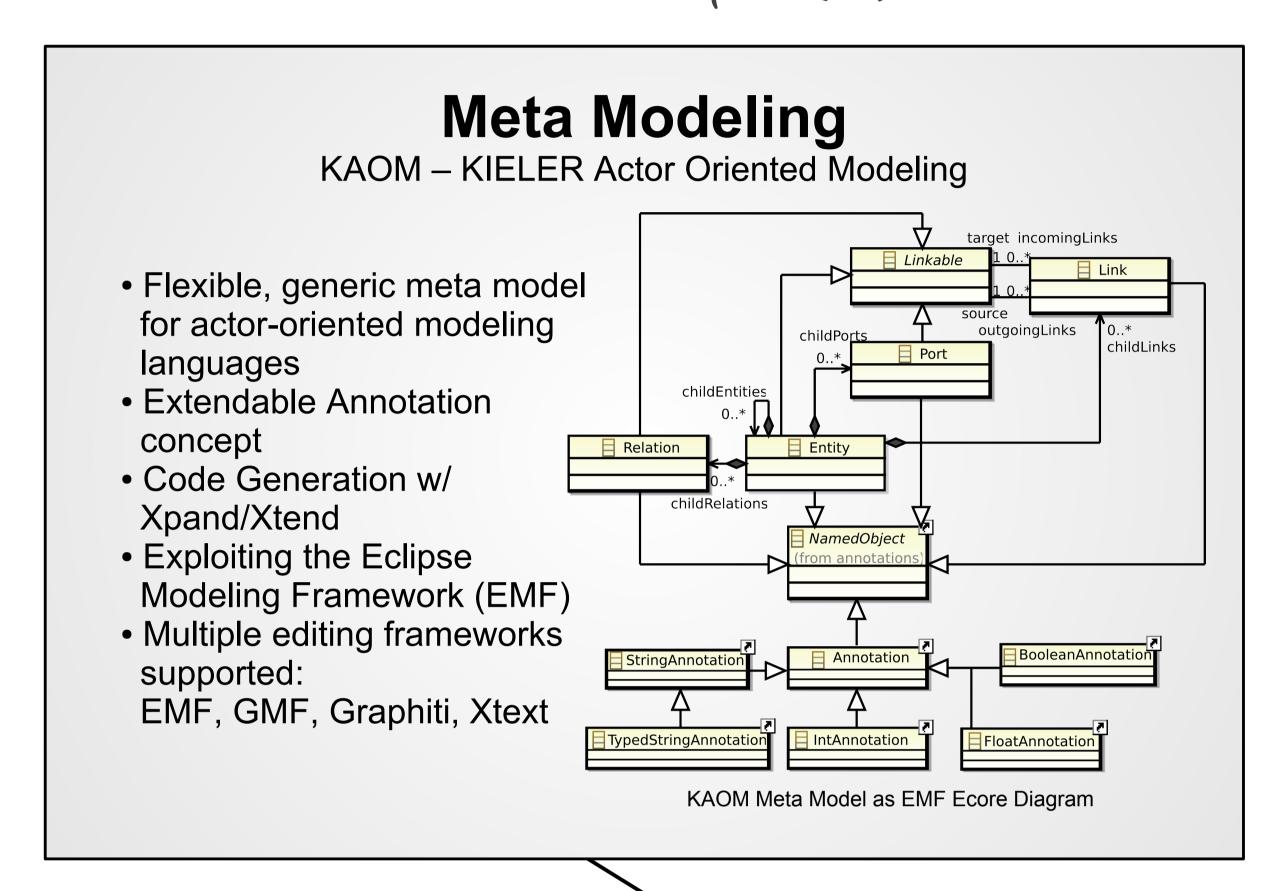
Department of Computer Science

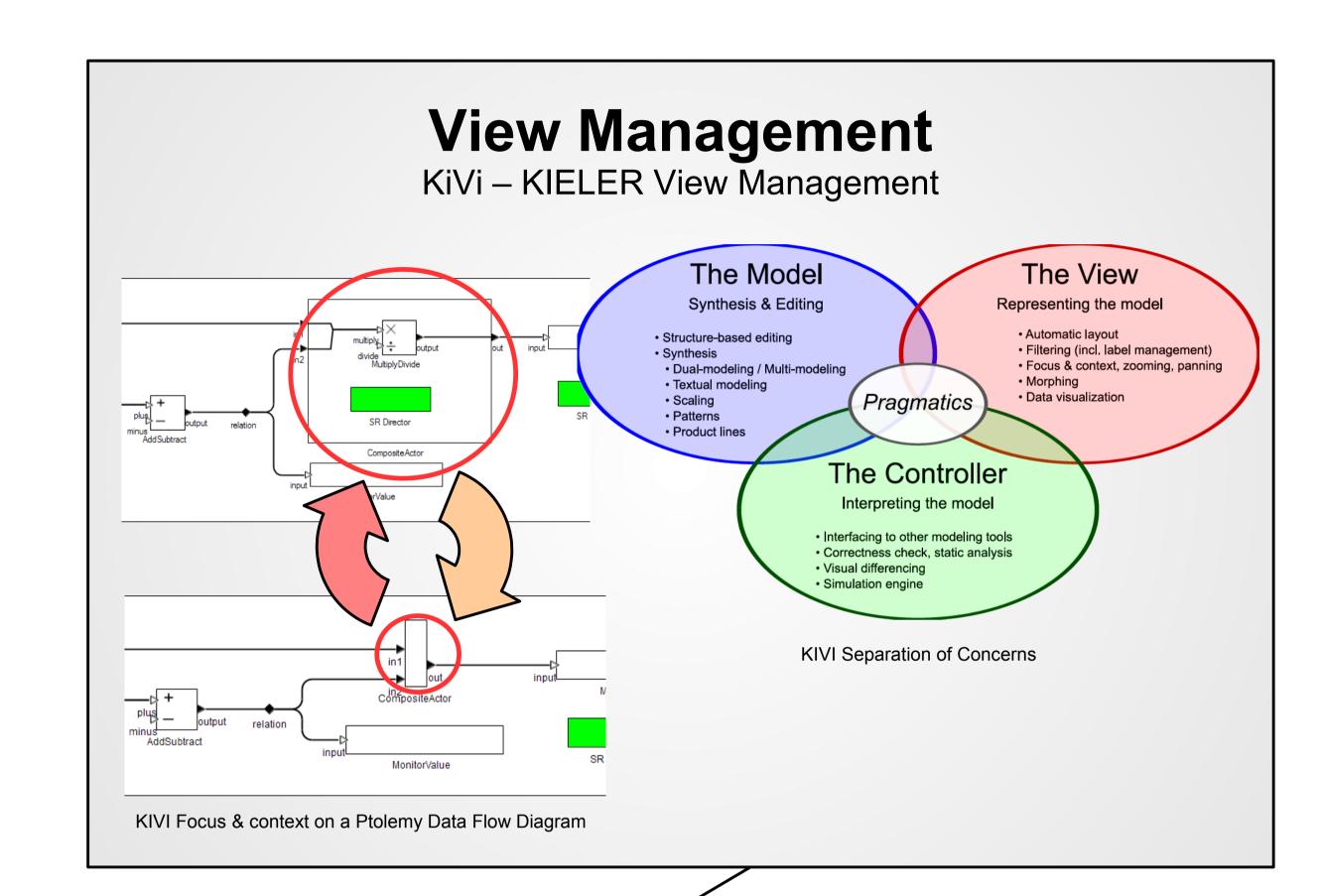


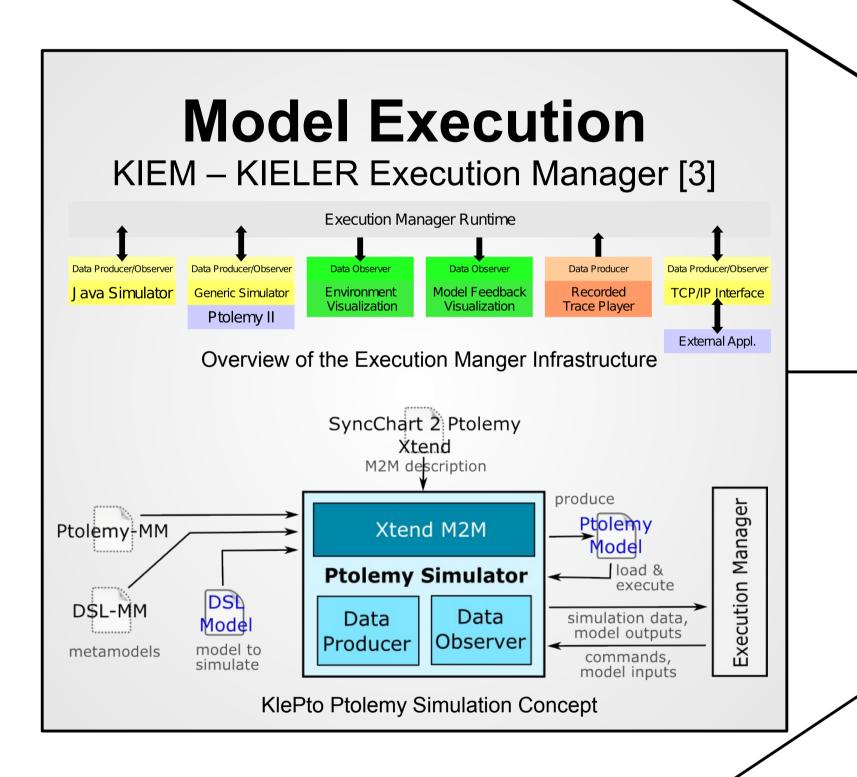
KIELER Actor Oriented Modeling

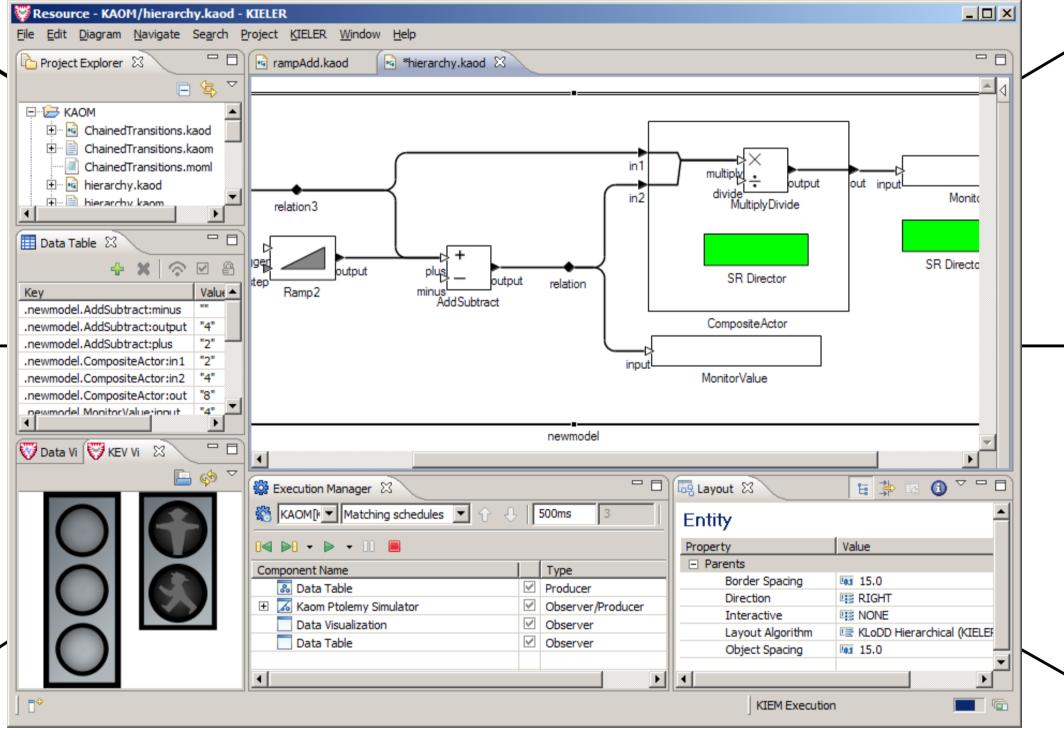
Kiel Integrated Environment for Layout

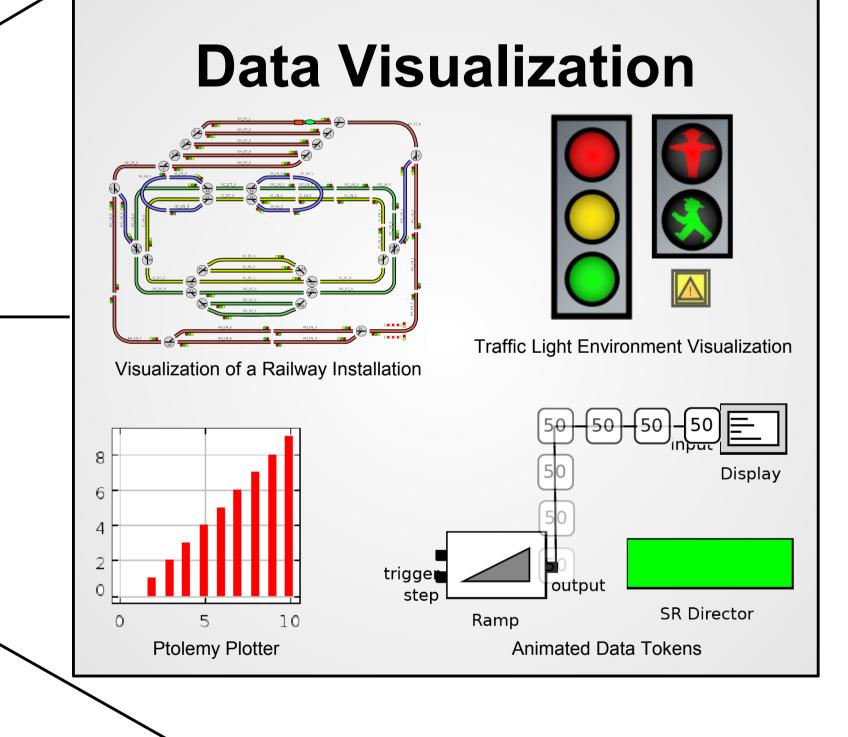
Edipse Rich Client











KAOM with Automatic Layout, Ptolemy rendering and Simulation in KIELER

Automatic Layout [2, 5] KIML – KIELER Infrastructure for Meta Layout [2, 5] **Pool Papar Papar | Papar | **Pool Papar | Papar | **Pool Pap

Automatic layout integrated into Ptolemy's graphical editor Vergil

Model Rendering KARMA – KIELER Advanced Rendering for Model Appearance Possible customized model rendering options: E.g., Ptolemy, LabView, Simulink, AddSubtract ASCET, SCADE Ptolemy Actor Rendering GMF editor support, Graphiti (planned) This block generating a decreasing continuous signal with initial state as 5.0 and decreasing slope as -1.0. Rendering Ptolemy annotations Display SR Director simpleRamp Rendering Ptolemy State Machines Rendering Ptolemy Data Flow

Contact Person:

Miro Spönemann / Christian Motika Department of Computer Science Christian-Albrechts-Universität zu Kiel Olshausenstr. 40, 24098 Kiel, Germany Phone: +49 (0) 431 880-7282 /-7526 Fax: +49 (0) 431 880-7615 msp@ / cmot@informatik.uni-kiel.de http://www.informatik.uni-kiel.de/rtsys Contact Person:
Prof. Dr. Reinhard von Hanxleden
Department of Computer Science
Christian-Albrechts-Universität zu Kiel
Olshausenstr. 40, 24098 Kiel, Germany
Phone: +49 (0) 431 880-7281
Fax: +49 (0) 431 880-7615
rvh@informatik.uni-kiel.de
http://www.informatik.uni-kiel.de/rtsys

Further Information:

- http://www.informatik.uni-kiel.de/rtsys/kieler
- [1] Hauke Fuhrmann and Reinhard von Hanxleden. Taming Graphical Modeling. In Proceedings of the ACM/IEEE 13th International Conference on Model Driven Engineering Languages and Systems (MoDELS'10), LNCS, Oslo, Norway, 2010. Springer.
- [2] Miro Spönemann, Hauke Fuhrmann, Reinhard von Hanxleden, and Petra Mutzel. Port constraints in hierarchical layout of data flow diagrams. In *Proceedings of the 17th International Symposium on Graph Drawing (GD'09)*, LNCS,
- Chicago, September 2009.
- [3] Christian Motika, Hauke Fuhrmann and Reinhard von Hanxleden. Semantics and Execution of Domain Specific Models. In 2nd Workshop Methodische Entwicklung von Modellierungswerkzeugen (MEMWe 2010) at conference INFORMATIK 2010, GI-Edition Lecture Notes in Informatics (LNI), Leipzig, Germany, 2010.

[4] Reinhard von Hanxleden. SyncCharts in C—a proposal for light-weight, deterministic concurrency. In *Proceedings*

of the International Conference on Embedded Software (EMSOFT'09), Grenoble, France, October 2009.

[5] Miro Spönemann, Hauke Fuhrmann and Reinhard von Hanxleden. Automatic Layout of Data Flow Diagrams in KIELER and

Ptolemy II. Technical Report 0914, Christian-Albrechts-Universität zu Kiel, Department of Computer Science, July 2009.