

Real-Time and Embedded Systems Project

This is the part of the Wiki concerned with the Real-Time and Embedded part of the project.

To Go Further

- Technical Documentation of the railway installation: <http://www.informatik.uni-kiel.de/~railway/>
- Railway Lecture Summary: <http://rtsys.informatik.uni-kiel.de/~rt-teach/ws11/v-synch/lectures/lecture05a-handout4.pdf> (slides 24-48)
- Lego Mindstorms overview: <http://www.informatik.uni-kiel.de/rtsys/lego-mindstorms/>
- KIELER: [Downloads and Information](#)
- SCCharts (model-based approach): [SCCharts \(pre 1.0\)Overview + Introduction and Examples](#)
- Diploma Thesis Stephan Höhrmann: *Entwicklung eines modularen Feldbussystems zur Steuerung einer Modellbahnanlage*, March 2006 ([pdf](#))

[1] D. Harel, *Statecharts: A visual formalism for complex systems*, *Science of Computer Programming*, 8(3):231-274, June 1987.

[2] R. von Hanxleden, B. Duderstadt, C. Motika, S. Smyth, M. Mandler, J. Aguado, S. Mercer, and O. O'Brien. *SCCharts: Sequentially Constructive Statecharts for Safety-Critical Applications*. In Proc. ACM SIGPLAN Conference on Programming Language Design and Implementation (PLDI'14), Edinburgh, UK, June 2014. ([pdf](#))

[3] C. Motika, S. Smyth, and R. von Hanxleden. *Compiling SCCharts—A Case-Study on Interactive Model-Based Compilation*. In Proc. of the 6th International Symposium on Leveraging Applications of Formal Methods, Verification and Validation (ISoLA 2014), volume 8802 of LNCS, page 443–462, Corfu, Greece, October 2014. ([pdf](#))

Important Dates

Date	Room	Appointment
April 15th, 2015 10:15am	R1115 CAP4	Kick-off
April 27th, 2015 08:00am	–	Proposal Proposal
April 30th, 2015 08:00am	–	Final Proposal

Recent space activity

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Space contributors

- [Felix Eichhorst](#) (3156 days ago)
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