

Dear Madam, dear Sir,

we wish you a Happy New Year and welcome you to the first 2008 issue of the Symtvision newsletter in which we inform you about current news and events on scheduling analysis and optimization for reliable integration in real-time systems incl. ECUs, buses, and networks. Further information on Symtvision can be found at www.symtvision.com

Best regards,

Your Symtvision Team

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SymTA/S Release 1.3

The new SymTA/S Release 1.3 provides significant improvements in both analysis features and usability.

- New end-to-end timing analysis (e.g. sensor → actor), considering both ECU and network scheduling
- Extended import and analysis control functionality
- New scenario manager
- Signal support for OSEK libraries, allows to model and analyze flow of data between tasks
- Enhanced COM-layer analysis

SymTA/S Training in Braunschweig, February 20-22, 2008

During this 3-day training, half of the time we will be teaching the technology background and how to work with SymTA/S, while the other half will be used to develop and analyze individual models of your specific interest. A 4-week evaluation period of SymTA/S and all necessary modules are part of the course fee.

If interested, please contact <mailto:info@symtvision.com>.

Upcoming events

- ERTS 2008, January 30 - February 1, 2008, Toulouse, France <http://www.erts2008.org/>
- EUROFORUM "Elektronik-Systeme im Automobil", February 5 - 8, 2008, Munich, Germany, <http://www.euroforum.de/ProduktTitel.aspx?pnr=P1102007>
- AUTOREG 2008, February 12-13, 2008, Baden-Baden, Germany <http://www.vdi-wissensforum.de/index.php?id=601>
- Embedded World, February 26-28, 2008, Nürnberg, Germany <http://www.embedded-world.de>

Complete list: <http://www.symtvision.com/events.html>

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Application Example: End-to-End Timing Analysis in Chassis Systems

Chassis control systems must interact with their environment (the controlled system) and pose important end-to-end timing constraints. Controller dead times and jitters have a significant influence on the quality and stability of the embedded control. Function and software developers have to guarantee that the final timing behavior does not exceed the required bounds.

SymTA/S supports designers throughout the whole software development by detecting and visualizing critical end-to-end timing situations, and by indicating the timing correctness of a given design variant.

http://www.symtvision.com/downloads/AN_End-to-End_Timing_in_Chassis_Systems.pdf

Symtvision starts distribution in Japan

Symtvision and Advanced Data Controls, Corp. (ADaC), Tokyo, a renowned distributor of development tools for electronic systems, have signed a distribution partnership for the Japanese market.

For details, see the press release

http://www.symtvision.com/downloads/PM_071205_ADaC_EN_02_kr.pdf

or the ADaC website:

<http://www.adac.co.jp/products/car/symtvision.html>

Symtvision partners in two European Projects

The European FP7 IP project INTERESTED groups innovative SME Tools Vendors focusing on modelling, synthesis and timing with major Tool Users from Aerospace, Automotive, Railway, Transportation and Energy that are integrating massively embedded systems, in order to create a reference open interoperable embedded systems tool-chain.

The European FP7 STREP project ALL-TIMES aims at creating interoperability and further developing leading-edge timing tools together with basic university research. Partners are Absint, Gliwa, Mälardalen University, Rapita, TU Vienna and Symtvision.