

Dear Madam, dear Sir,

welcome to the next issue of the Symtvision newsletter in which we inform you about current news and events on timing modeling, analysis and optimization for reliable integration in real-time systems. Further information on Symtvision can be found at www.symtvision.com

Best regards,

Your Symtvision Team

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SymTA/S version 1.1 released, 1.2 to follow shortly

We are pleased to announce availability of SymTA/S version 1.1 from December 2006. The most important enhancements are

- New architecture view
- CAN and ERCOSEK analysis including extensive consideration of time-table offsets
- Much improved Gantt viewer
- XML Schema for easy interfacing

Version 1.2 is planned for release in March 2007. It will feature the following additional capabilities:

- Configurable analysis accuracy to let the user determine the trade-off between accuracy and analysis speed
- Support of AUTOSAR COM layer (periodic, direct and mixed frames)
- New OSEK libraries: AUTOSAR OS and RTA-OSEK
- Report generator (supported file formats: PDF, HTML and RTF)
- WCET import from aiT timing analyzer of AbsInt
- FlexRay: end-to-end-timing; FIBEX import
- GUI and modeling improvements

SymTA/S Training on March 6 - 8, 2007

Sign up for the next SymTA/S training in Braunschweig. The training gives participants a detailed introduction into the work with SymTA/S. Participants can provide a specific, individual problem description. During the training, a concept for solving this problem will be developed. Participants will subsequently receive a free 30 day evaluation license. If interested, please contact <mailto:info@symtvision.com>.

Upcoming Events, Conferences, and Exhibitions

- Embedded World, February 13 - 15, 2007, Nürnberg, Germany, www.embedded-world-2007.de
- EUROFORUM "Elektronik-Systeme im Automobil", February 12 - 15, 2007, Munich, Germany, www.euroforum.de/ProduktTitel.aspx?pnr=P1101227
- AAET Conference & Exhibition, February 26 - 28, Braunschweig, Germany, www.gzvb.de/index.php?id=849
- SAE World Congress, April 16 - 19, Detroit, USA, www.sae.org/congress/
- EUROFORUM "Software im Automobil", May 8 - 9, Stuttgart, Germany, www.euroforum.de/ProduktTitel.aspx?pnr=P1101293
- D&E Entwicklerforum "KFZ-Elektronik", May 15, Ludwigsburg, Germany, www.elektroniknet.de/index.php?id=2404

Application example: Extending CAN lifetime or "Pay for FlexRay later"

Symtvision's product SymTA/S has been used by an automotive manufacturer with the intention of extending the lifetime of an already heavily loaded CAN bus. The tool helped to identify the optimal configuration, providing resources for connecting additional CAN components. A subsequent sensitivity analysis generated information about the robustness of the improved design. Read more:

www.symtvision.com/downloads/AN_Extending_CAN_Lifetime.pdf

Presenting our team: Dr. Marek Jersak, CEO

Marek Jersak is one of the founders of Symtvision. He received a diploma degree in Electrical Engineering from Aachen University of Technology, Germany in 1997 and his doctoral degree from the Technical University of Braunschweig, Germany in 2004. Between 1997 and 1999 he worked as a Design Engineer for Conexant Systems, Newport Beach, California, on DSP compiler optimization and processor/compiler co-design.