

Press Information

Symtavision and AUTOSAR sign Development Membership Agreement

Symtavision contributes its Timing Expertise to new AUTOSAR Timing Subgroup

Braunschweig, Germany, 19.05.2008.

Symtavision has become AUTOSAR Development Member with the objective to contribute its expertise to the development of a timing model for AUTOSAR. This timing model is developed in collaboration with AUTOSAR partners and members including BMW, Bosch, Continental, Fraunhofer ISST and VW.

A timing model and associated methodology are needed to achieve two key AUTOSAR goals: the reliable integration of software components from various sources on one electronic control unit (ECU) as well as the optimal distribution of software components over a network of ECUs. While AUTOSAR has standardized the necessary function APIs and communication layers, there is no model in AUTOSAR today to capture the impact of software component integration and distribution on system performance and real-time behavior.

To close this gap, the existing AUTOSAR templates shall be complemented by a timing view for prediction, analysis, and verification of ECU and system timing throughout the automotive design-cycle. In the recently established Timing Subgroup in AUTOSAR WP11-1.2, Symtavision contributes its expertise to the development of these necessary AUTOSAR extensions.

Symtavision's AUTOSAR work is complemented by collaborating in several European projects in the field of timing. The ITEA2 project TIMMO, coordinated by Continental and with funding of the German partners by the German Ministry for Education and Research (BMBF), is a larger-scale effort comprising OEMs, tier-1 suppliers, tool vendors and universities to develop and demonstrate a methodology for timing and performance design, optimization and verification for a range of automotive domains.

For more information, please visit

www.symtavisoin.com

www.autosar.org

www.timmo.org

About Symtavisoin

Symtavisoin is a leading manufacturer of timing verification and optimization tools and a provider of associated services. As a spin-off of the Technical University of Braunschweig, Germany, the company takes advantage of more than 10 years of know-how and experience in the analysis and optimization of embedded real-time systems. Target markets are the automotive and aerospace industry as well as developers and users of complex real-time systems in other markets. Symtavisoin serves customers in Germany, Europe, and the United States and maintains a representation in Japan. Symtavisoin is member of AUTOSAR and of various European professional associations.