



May 6, 2010

ACROSS Press Release

ACROSS – one embedded systems architecture for multiple application domains

The ACROSS project, selected under the 2<sup>nd</sup> ARTEMIS JU Call, was kicked off in Vienna, Austria, April 19-20, 2010. ACROSS is combining the research efforts of 19 companies, research organizations and universities from Austria, France, Germany and Italy.

ACROSS aims to offer a common architectural solution in the automotive, aerospace and industrial control domains. Within ACROSS a domain-independent technology for embedded computer architectures will be developed resulting in decreased development and manufacturing costs for OEMs. Moreover, ACROSS will enable a better integration of diverse and heterogeneous application systems across different application domains (e.g. multimedia and control applications in a car) using uniform interfaces, precise service specifications and a cross domain-system development methodology. Thereof, the supplier industry and its competitiveness will benefit.

The starting point for the ACROSS project are the architectural principles and services developed within the FP7 project GENESYS. As a first step the ACROSS project will select a set of requirements relevant for a cross-domain architecture in the automotive, aerospace and industrial control domains. This will be followed by a specification phase, defining behavior and interfaces for generic and domain specific services. Based on this a Multi Processor System-on-a-Chip (MPSoC) will be implemented and used in case studies of the three application domains.

Key data:

ACROSS – ARTEMIS CROSS-DOMAIN ARCHITECTURE

Starting date: April 1, 2010

Duration: 36 months

Total costs: 16,1 M€

Project Partners: 19 organizations (industry, SME, research organizations and universities)

Coordinator: Vienna University of Technology

For more information: [www.across-project.eu](http://www.across-project.eu)