

## INTEC partners up with ETAS

INTEC and ETAS have signed a Memorandum of Understanding. The goal of the partnership is to support the product development process from classic off-line multibody analysis to real-time simulation on hardware-in-the-loop systems.

ETAS offers a complete spectrum of efficient tools for developing, testing and implementing embedded control systems in the automotive industry. SIMPACK is established in the automotive and rail industry in the field of off-line simulation for functional virtual prototyping. Verified simulation models with established data and substructure input methods have been and are being developed in this field. The challenge is to use these model libraries in real-time simulation, combining off-line and real-time simulations. SIMPACK has always allowed models to be exported to other environments as code. In the frame of the collaboration with ETAS this functionality will now be extended significantly. The partnership with ETAS will enable the development of a marketable solution which

combines off-line and real-time simulation within one software environment. The first step has been made in signing a 'Memorandum of Understanding'. INTEC will be responsible for the model creation, MBS-methods, solver, data path to the MBS-world and the code export. The main activity of ETAS lies



A. Eichberger (INTEC), B. Ebinger (ETAS) and B. Heppner (ETAS)

### Events

Sabine E. Engert

INTEC GmbH

SIMPACK User Meeting  
2001 in Bad Ischl



### Research

Gordon Strickert

DLR Braunschweig

SIMPACK Masters  
Sky-Diving



### Software

Dr. Wolfgang Trautenberg

INTEC GmbH

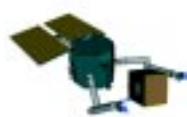
New Plug-In for  
SIMPACK 8.5:  
SIMBEAM

### Robotics

Roberto Lampariello

DLR Oberpfaffenhofen

Modelling and Real-  
time Simulation of a  
Two Arm Free-Flying  
Robot



in the model creation, responsibility for and support of the entire system, links to the HIL-hardware and operation of the control systems.

Combining the knowledge of both companies and interfacing the software an ideal partnership was found, which closes the gap between the real-time and the off-line world. A continuous and open solution can now be offered from off-line simulation to the hardware-in-the-loop test of embedded control units.

ETAS GmbH was founded in 1994 as a subsidiary of Robert Bosch GmbH and is having its Head Office in Stuttgart, Germany. The product range comprises a complete spectrum of efficient tools for developing, testing and implementing embedded control systems in the automotive industry. ETAS currently has 500 employees world-wide and attained a revenue of EUR 83 million in 2000.

With its own subsidiaries in Ann Arbor (USA), Yokohama (Japan) and Paris (France), distributors in Brazil and Korea as well as a sales office near Birmingham (Great Britain), ETAS GmbH assists its customers as a competent partner with support and services.



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