

Dr. Wolfgang Rulka

It is considered that Wolfgang Rulka is both the father and mother of SIMPACK. He brought the SIMPACK baby into this world and nurtured him through his formative years, adolescence and on into adulthood.

During the development of SIMPACK



Dr. Wolfgang Rulka
Scientific Director

Wolfgang Rulka has been working both in industry and research. He set himself the goal of using and further developing the recursive MBS algorithm for the implementation of elastic bodies. He decided to take on this challenge as a young scientist after finishing his degree in 1984 and signed a three year contract with the DLR. His work was also supported by MAN Technology. The result of the work brought about the existence of the SIMPACK core. In 1987 Wolfgang Rulka accepted a position at MAN Technology where he further developed SIMPACK for the next five years. By 1988, at the VDI conference in Wurzburg "Berechnung im Automobilbau" (Calculations in the Automobile branch), SIMPACK was ready to be presented for the very first time.

Whilst at MAN Wolfgang Rulka had been continually co-operating with the DLR on

the further development of SIMPACK. This eventually led to him taking a position at the DLR in autumn 1992 where he was responsible for heading the development of SIMPACK. Concurrently he was busy writing his doctorate thesis at the Vienna Technical University on multi-body simulation. At the start of 2002, after almost 10 years at the DLR, we were finally able to acquire the services of Dr. Wolfgang Rulka and include him as a full-time member of the INTEC team. He is currently working 'full steam ahead' on new methods within SIMPACK.

Werner Staab

Werner Staab has joined the INTEC software development team in early 1999. Since then he was the key developer for such SIMPACK modules as the interface to I-DEAS. Mr. Staab's responsibilities at INTEC include the development and maintenance of all SIMPACK CAD interfaces. He is also a key member of



Werner Staab
Development and Projects

the team working on SIMPACK result post processing and display.

Werner Staab came to INTEC directly after he had finished his mechanical engineering studies at the Technical University of Munich. When Mr. Staab joined INTEC he was not an unknown

person to INTEC. While studying in Munich he worked on a tool for investigating the impact of manufacturing tolerances on the functionality of a product. This tool was based on ProSIM, INTEC's interface between Pro/ENGINEER and SIMPACK. He finished his degree with a diploma thesis on the integration of flexible body simulation capabilities into a CAD-based MBS simulation environment.



Homan Seyedin
Support and Projects

Homan Seyedin

Mr. Homan Seyedin enforces INTEC's 'railed vehicle' support and project team. Mr. Seyedin began working with SIMPACK whilst at the Munich University of Applied Sciences (Fachhochschule München) and as a result he decided to write his diploma thesis on a SIMPACK related topic. A SIMPACK model of rail switches was generated, with which Mr. Seyedin simulated the dynamics of a train crossing over switches. 2D technical drawings of switch geometry was converted into a 3D CAD model and then imported into SIMPACK. This model also enabled him to generate the required profile cross-sections.