

EDAA Lifetime Achievement Award 2014 goes to Rolf Ernst

Leuven, Belgium, February 28, 2014 – The EDAA Lifetime Achievement Award 2014 goes to Rolf Ernst.

The EDAA Lifetime Achievement Award is given to individuals who have made outstanding contributions to the state of the art in electronic design, automation and testing of electronic systems during their career. In order to be eligible, candidates must have made innovative contributions which had an impact on the way electronic systems are being designed.

Past recipients are: Kurt ANTREICH (2003), Hugo DE MAN (2004), Jochen JESS (2005), Robert BRAYTON (2006), Tom WILLIAMS (2007), Ernest KUH (2008), Jan RABAEY (2009), Daniel GAJSKI (2010), Melvin BREUER (2011), Alberto SANGIOVANNI-VINCENTELLI (2012) and Peter MARWEDEL (2013).

The Award will be presented at the plenary session of the 2014 DATE Conference, to be held March 24-28 in Dresden, Germany (<http://www.date-conference.com>).



Prof. Dr.-Ing. Rolf Ernst received the diploma in CS and the Ph.D. (w. hon.) in EE from the University of Erlangen-Nuremberg, Germany. After two years at Bell Laboratories, Allentown, USA, he became professor at the Technische Universität Braunschweig, Germany, where he chairs the Institute of Computer and Network Engineering. He was the Head of the Department of Electrical Engineering from 1999 to 2001.

He chaired major conferences, such as ICCAD, DATE, Codes, EMSOFT and ECRTS. He helped to shape DATE as a General and Sponsors Chair and by establishing and chairing the Embedded Software Track for many years. For more than a decade, he served in several positions in the DFG (German NSF). He is a member of several national and European roadmap teams and served as a reviewer, consultant and advisory board member for U.S. and European funding and research organisations. He is a member of the advisory board of the German Ministry of Economics and Technology for high-tech entrepreneurship programs. He is an IEEE Fellow, a DATE Fellow, and served as an ACM SIGDA Distinguished Lecturer. He is member of the German Academy of Science and Engineering.

Rolf Ernst is known for his many contributions to embedded systems, starting with pioneering work in HW/SW co-design (COSYMA system), work on models of computation (SPI model) as well as embedded architectures for high-performance applications utilizing these models (e.g. FlexWave). Theoretical work in compositional system-level performance analysis resulted in the tool SymTA/S. Commercialized by his spin-off Syntavision, SymTA/S has been used for system-wide performance analysis of the most complex premium-class vehicles and is now a de facto standard for automotive network design worldwide, with customers such as Toyota, Volkswagen, GM, Daimler, Audi, BMW, and many others.

Recently, his research has extended to safety and mixed critical systems, again with work in hardware and software architectures, formals methods and tools.