



Case study competition goes global: Teams from Singapore participated for the first time.

Communications and information security: a balancing act

Science requires open communications to survive. In the high technology sector, knowledge is considered the most important asset. But are knowledge and information being adequately protected or are we too careless in the way we manage communications in Germany? This issue was addressed during a podium discussion held at Berlin Adlershof in July, an event co-organized by Rohde & Schwarz SIT GmbH.

The aim of the discussion was to identify the potential risks related to industrial espionage and raise security awareness. The initial podium and subsequent plenary discussion included the following participants: Dr. Udo Helmbrecht, President of the German Federal Office for Information Security, Dr. Stefan Harant, Board Member of the Berliner Wirtschaftsgespräche e.V. (Berlin-based non-profit organization dedicated to raising the awareness of business issues), Prof. Dr. Peter Pepper from the Fraunhofer Institute for Computer Architecture and Software Technology FIRST, Dr. Jürg Kramer from the Humboldt University Institute for Mathematics in Berlin, and Henning Krieghoff, President of Rohde & Schwarz SIT GmbH.

The roughly 70 guests were provided an overview of the dangers related to information security, as well as recommendations for suitable solutions. Apart from implementing enough basic protection at the IT infrastructure level, the panel also cited the need for behavior guidelines for employees. Prof. Dr. Pepper boiled it down to this: "We can make sure that the cost of hacking into protected information exceeds the benefit of the knowledge obtained as a result."

Hamburg-Harburg Technical University wins case study competition

More than 200 university students from Germany, and for the first time six teams from Singapore, participated in the 5th Rohde & Schwarz case study competition. Under the motto "Go wireless! Testing for future communications standards", the finalists put their knowledge of RF to the test in the final round which took place at the end of June in Munich. The competition focused on engineering challenges that surface during the development of future mobile radio standards such as UMTS LTE. The teams faced tasks such as working on the design of an RF transmitter path, creating a proposal for the development of a synthesizer concept or analyzing the measurement uncertainty of a power amplifier. The up-and-coming engineers also tinkered with multiple-antenna systems such as those deployed for WiMAX™. At the end of the day, the team from Hamburg-Harburg Technical University celebrated by capturing the € 2000 first-place prize.

Rohde & Schwarz China earns technical training award

The Foxconn Technology Group has presented Rohde & Schwarz China with the Excellent Lecturer Award. The award is presented for outstanding quality in the area of technical training. Training programs from 1300 suppliers were evaluated based on the results of a survey. Foxconn was impressed with the training services offered by Rohde & Schwarz China. Rohde & Schwarz now joins an elite group of 12 companies that have been honored with the award during 2007/2008.

First Asian DVB-H network launched with Rohde & Schwarz transmitters

The Malaysian mobile TV provider UMobile kicked-off its Mobile LiveTV™ service for the Kuala Lumpur metropolitan region. For its network, UMobile had ordered transmitters of all power classes from Rohde & Schwarz Malaysia Sdn. Bhd. The Malaysian subsidiary

set up the transmitter network in a record time of only two months. The transmitters, periphery equipment, RF feeder cables and antenna systems were installed at 20 locations.

Fujitsu selects Rohde & Schwarz for WiMAX™ SoC test solution

Together with Rohde & Schwarz, Fujitsu Microelectronics has developed a test solution for Fujitsu's MB86K21 mobile WiMAX™ system-on-a-chip (SoC). The solution is based on the R&S®CMW270 WiMAX communication tester from Rohde & Schwarz and will be used to calibrate and verify WiMAX™ mobile stations that are based on the MB86K21 chip. Manufacturers can reliably and efficiently test their products with the R&S®CMW270. Transmitter and receiver parameters such as frequency response and linearity can be automatically aligned. In addition, the base station emulator verifies the correct functions in a WiMAX™ network operation. Fujitsu was impressed by the measurement speed of the R&S®CMW270, which is ten times faster than conventional measurement instruments. As a result, Fujitsu customers now have a cost-effective test solution for the development of new products.

Moscow university equipped with RF lab from Rohde & Schwarz

The Scientific Educational Center of the Moscow State University (MSU), which is part of the physics department, was officially opened in May. Among other equipment, the laboratory boasts spectrum and network analyzers as well as signal generators from Rohde & Schwarz. The center currently offers five training and education programs, which to date have been completed by more than 20 students.