



For Immediate Release

The SDR Forum Announces Annual Award Finalists

Harris, Huawei, Motorola and Eric Nicolle top the list; Winners to be announced at SDR'09

Washington, DC, 26 October 2009 – [The SDR Forum](#) announced today finalists of their annual Achievement Awards. Finalists in the Technology of the Year include Harris, Huawei and Motorola. Finalists for International Achievement are Eric Nicolle of Thales and Huawei. Winners will be announced at [SDR'09 Technical Conference and Product Exposition](#), the premier event for the reconfigurable radio community, to be held from December 1 to December 4 in Washington, D.C.

The Technology of the Year is presented to an individual or organization for a breakthrough product or technology in the field of Software Defined or Cognitive Radio as selected by the members. This is a new award this year. Nomination summaries for the finalists are:

Harris Unity™ XG-100

The Harris XG-100 Full-Spectrum Multiband Radio provides federal, state and local agencies with the first portable “One-for-All” solution that delivers true interoperability with first responders and public safety professionals. By supporting both digital APCO P25 secure and analog FM communications across the VHF, UHF, 700 MHz and 800 MHz public safety bands in a single portable radio, responders can now communicate with multiple jurisdictions and agencies operating on many different frequencies and systems. Built-in advanced capabilities include two-microphone noise suppression and clear audio for operation in high-noise environments, GPS receiver for position tracking and rapid response for emergencies, and secure Bluetooth® technology for wireless audio accessories and wireless data support. The XG-100 is built to the military standard for ruggedness and submersibility, designed to be intrinsically safe, and features a true software defined radio architecture that allows flexibility for future growth, including a software-only upgrade to the APCO P25 phase 2 TDMA standards. User-friendly radio controls include a transfective front color display with intuitive user interface, configurable OLED top display for holster operation, front panel programming, and easy-grip radio controls.

Huawei SDR Enabled Dual Mode Remote Radio Unit RRU3808

This highly flexible and ultimately sustainable “green” efficient RRU3808 allows UMTS operators a cost and time effective means of launching LTE services from a single platform.

- The RRU 3808 enables smooth evolution from UMTS to HSPA, HSPA+, and/or to LTE through software upgrade while allowing for simultaneous operation of all services at one time.
- It is the Industry’s first SDR featuring RRU with dual-transmitter capability. It supports 2x40W and Maximum Transmitter bandwidth up to 60M.
- RRU3808 was designed by using advanced power amplifier technology with high efficiency and has recorded the lowest dual transmitter power consumption demands (no more than 310W) in the telecommunications industry. This new technology ensures low noise, reduced power requirements, minimized emissions, coupled with exceptionally high reliability.

Motorola APX 7000

The APX 2-way multi-band radio is a communications device designed specifically for mission critical users, providing interoperability on demand. The radio was built to meet unique and rugged requirements as well as work intuitively in any environment. The APX includes an integrated GPS for outdoor location solution that tracks the location of the user and transmits it to the system. The APX is capable of 12.5 KHz 2-1 TDMA and ASTROTM 25 IV&D FDMA as well as conventional and 3600

Trunking (Analog/Digital) modulation that enable interoperability of multiple agencies. A removable SD Memory card and an internal option slot provide the capability of meeting the future requirements of the mission critical users. The enhanced audio quality is 60% louder than existing products to allow the radio to be heard in noisy environments. The use of two microphones and an advanced noise cancelling algorithm allows background noise cancellation via advanced data processing. All APX radios are equipped with encryption capability to protect the security of transmitted audio and data.

The **SDR Forum International Achievement Award** is presented to an individual, group of individuals, or organization that made especially significant contributions to international furtherance or acceptance of Software Defined or Cognitive Radio. It replaces the Forum's Industry Achievement Award. The 2009 finalists in this category are:

Huawei

With growing relevance for the global telecom industry, Huawei has worked on mainstream commercial infrastructure Software Defined Radio (SDR) technology for many years. Through exceptional commitment of people and resources to R&D, and from pioneering deployments with major operators, we contend that Huawei has made significant contributions to the international furtherance of SDR.

Eric Nicollet

Eric is the embedded SDR architecture specialist with THALES Communications, France. He has been practicing SDR-related topics since early 1998. He is currently involved in several European initiatives and programs on SDR, in all defense (SCORED/ESSOR), safety-of-life (WINTSEC) and commercial (E²R/E3) domains. Eric is a very active member of the SDR Forum representing the European SDR community. Eric has evangelized the capabilities and direction of SDR and Cognitive Radio solutions by being a speaker or panelist at numerous conferences. Eric has also been an author or co-author of numerous papers which support the furtherance or acceptance of SDR and Cognitive Radio technologies.

In addition to the announcement of the award winners, SDR'09 will feature [keynotes](#) by high caliber industry leaders, **more than 100 high quality technical presentations** over four days from industry, government, and university experts, [tutorials](#) held on each day of the conference and [exhibits](#) from companies all across the [wireless value chain](#), workshops and a JTRS SBIR Industry day. The Conference program can be found here: <http://sdrforum.org/sdr09/program.html>.

SDR'09 represents the latest in an annual conference that has become a highlight on the wireless industry event calendar. Hosted by The SDR Forum, this event brings together world class business and technical leaders from around the world across commercial and civil organizations including service providers, operators, manufacturers, developers, regulatory agencies, and academia. Sponsored by General Dynamics C4 Systems, Harris, Motorola, Xilinx and Wind River, this year's event will include over 100 paper presentations, four workshop sessions, daily tutorials, and a demonstration event, in addition to the product exposition. Additional information on the SDR'09 program, workshops and panel sessions can be found at www.sdrforum.org/sdr09. To register, visit our [registration page](#). There is an earlybird registration discount until Oct. 15.

To learn more about The SDR Forum, its meetings and [membership benefits](#), visit www.sdrforum.org.

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[About the SDR Forum™](#)

Established in 1996, The SDR Forum™ is a non-profit international industry association with a 100+ strong membership comprised of world class technical, business and government organizations from EMEA, Asia and the Americas who are passionate about creating a revolution in wireless communications based on reconfigurable radio. The SDR Forum is the only organization in the world dedicated to serving the industry's needs through advocacy, opportunity development, commercialization and education. For more information, please visit www.sdrforum.org

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