

Company News

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IAR Systems lanserar Embedded on Tour i Finland och Sverige

Presenterar trender och teman från Embedded World, den största årliga branschmässan

Uppsala 18 februari, 2013—För utvecklare av inbyggda system som vill få en fördjupad förståelse av de pågående diskussionerna i branschen, erbjuder IAR Systems® ett halvdagsseminarium med tekniska presentationer i Finland och Sverige. Seminarierna äger rum den 12 mars på Radisson Blu Seaside Hotel i Helsingfors och den 14 mars på Kista Entré utanför Stockholm. Seminarierna är gratis men antalet platser är begränsat varför alla intresserade bör registrera sig med det snaraste på www.iar.com/ontour.

"Embedded World är den största och mest inflytelserika årliga mässan i världen i vår bransch, men vi inser givetvis att alla inte har möjlighet att besöka den. Eftersom både Finland och Sverige har många ledande företag inom inbyggda system och IAR Systems har en unik position i branschen, vill vi dela våra intryck och sessioner under Embedded World 2013 med de nordiska utvecklarna", säger Stefan Skarin, VD för IAR Systems.

Mellan 13:00 och 17:00 kommer IAR Systems tekniska experter att diskutera de trender och teman som står i fokus 2013 och även presentera mätning av strömförbrukningen i ett inbyggt system, trace-teknik samt god kodningspraxis för system med höga krav på funktionssäkerhet:

Session 1: "Trends & Topics 2013"

This session provides a summary of the trends and topics picked up in discussions with industry representatives at Embedded World 2013. What are the main focus areas for embedded systems in 2013?

Session 2: "Visualizing MCU power consumption in a debug environment"

In this session, we will discuss the underlying technical challenges to get reliable power measurements in a debugging environment where the physical constraints include frequency response, noise and synchronization with the executed code. The methods available range from shunt resistor circuits to true energy metering. How good can such systems visualize power consumption and what are the typical use cases?

— more —

Session 3: “Taking trace to the next level”

A modern JTAG debug probe can facilitate surprisingly advanced visualizations of the application behavior using the simple instrumentation trace (ITM) available in all Cortex-M3/M4 devices. Utilizing the full instruction trace (ETM) available in many ARM® devices adds even more possibilities. Combined they enable correlated visualization of call stack, interrupt log, and data log values plotted against a common time axis. In this session we will look at the technology behind trace and use trace-based debugger technology to demonstrate the benefits of ARM Cortex™ debug features.

Session 4: “Keeping safe at C”

This session will take a look at how some of the inherent dangers of C can be neutralized by adopting a coding standard and accompanying coding guidelines. We will draw inspiration from the MISRA 2004 rule set and from the requirements and recommendations of various safety standards derived from IEC61508 and show numerous examples of what can go wrong. A nice side effect of avoiding the murkiest corners of the language is that the build chain has a better chance of producing optimal code.

Ends

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About IAR Systems

IAR Systems is the world's leading supplier of software tools for developing embedded systems applications. The software enables over 14 000 large and small companies to develop premium products based on 8-, 16-, and 32-bit microcontrollers, mainly in the areas of industrial automation, medical devices, consumer electronics, telecommunication, and automotive products. IAR Systems has an extensive network of partners and cooperates with the world's leading semiconductor vendors. IAR Systems Group AB is listed on NASDAQ OMX Stockholm. For more information, please visit www.iar.com