Green Hills Software to Present and Exhibit at Embedded World 2012 in Nuremberg

Green Hills Software will deliver technology presentations at the embedded world 2011 Conference in Nuremberg, Germany, from February 28 – March 1, 2012. In Hall 4, Stand 325, Green Hills Software will also demonstrate its latest embedded software solutions. Please visit Green Hills Software's website to request a meeting and register for free exhibition entrance.

Green Hills Software speakers will present in the embedded world conference:

Designing your System for Safety and High Reliability
When: Wednesday, 29 February 2012, 09:00 – 10:00
Who: Greg Davis, Director of Engineering, Compilers, Green Hills Software

Modern Data Protection Protocols for Embedded Systems
When: Wednesday, 29 February 2011, 10:30 – 11:00
Who: David Kleidermacher, CTO, Green Hills Software

Writing Reliable Multicore Code
When: Wednesday, 29 February 2012, 11:00 – 11:30
Who: Greg Davis, Director of Engineering, Compilers, Green Hills Software

The Upcoming C and C++ Standards
When: Wednesday, 29 February 2012, 11:00 – 11:45
Who: Peter Hoogenboom, EMEA Engineering Manager, Green Hills Software

Real-Time Requirements for Embedded Middleware
When: Wednesday, 29 February 2012, 13:30 – 14:00
Who: Andre Schmitz, Field Applications Engineer, Green Hills Software

Tips and Tricks for Debugging
When: Wednesday, 29 February 2012, 13:30 – 14:30
Who: Greg Davis, Director of Engineering, Compilers, Green Hills Software

Guidelines for Writing Efficient C/C++ Code
When: Wednesday, 29 February 2012, 15:30 – 16:15
Who: Greg Davis, Director of Engineering, Compilers, Green Hills Software

Guidelines for Building a Secure Device
When: Wednesday, 29 February 2012, 16:00 – 16:30
Who: Rolland Dudemaine, Technical Solutions Manager EMEA, Green Hills Software

Separation and Security without Hypervisors/Virtualization

When: Wednesday, 29 February 2012, 16:00 – 16:30
Who: Serge Plagnol, Senior Field Application Engineer, Green Hills Software

Compiler Bugs in the Real World
When: Thursday, 1 March 2012, 09:00 – 09:30
Who: Greg Davis, Director of Engineering, Compilers, Green Hills Software

The Use of Virtualization in Automotive Infotainment Systems
When: Thursday, 1 March 2012, 09:00 – 09:30
Who: Andre Schmitz, Field Applications Engineer, Green Hills Software

Mixed-Criticality Embedded System Architectures
When: Thursday, 1 March 2011, 09:00 – 09:45
Who: David Kleidermacher, CTO, Green Hills Software

Which Network for your Industrial Systems?
When: Thursday, 1 March 2012, 12:00 – 12:30
Who: Rolland Dudemaine, Field Applications Engineer, Green Hills Software

In booth Hall 4, Stand 325, Green Hills Software will offer a wide range of interesting presentations and demonstrations, including:

Automotive In-Vehicle Infotainment:
Green Hills Software will demonstrate a state-of-the-art IVI solution for consolidating a virtualized GENIVI-based Linux environment, real-time and safety-critical applications, and native OpenGL applications on a single system. The INTEGRITY® Multivisor™ guarantees that each application remains securely separated, which brings cost reduction through improved hardware integration.

Avionics Platform:
Green Hills Software will demonstrate the INTEGRITY-178B RTOS on the Extreme Engineering Solutions (X-ES) QorIQ P4080 board with AMD E4690 PMC rugged COTS platform. Other components include the Alt Software embedded, safety-certified OpenGL® 3D stack displaying graphics generated by the Esterel SCADE Display® graphic design and code generation suite. This delivers highly reliable, advanced graphics solutions for next-generation avionics display-based equipment.

Medical Platform:
A concept home-based medical monitoring system will be demonstrated that will measure heart rate (via remote Bluetooth® sensor) and other information such as patient weight, combined with a patient panic button, which connects them (via Bluetooth headset) to the doctor. Based on the safety-certified INTEGRITY RTOS, it features Bluetooth medical and headset profile connectivity from Clarinox and graphics using the Qt Commercial graphical framework from Digia.

Consumer Dual-Persona Android Tablet:
Green Hills Software will demonstrate a commercial dual-persona Android-based tablet based on a Freescale i.MX53 Cortex™-A8-based SoC. The INTEGRITY Multivisor solution provides a secure and safe virtualized platform for Android or

other guest operating systems on single or multicore processors. It cleanly separates peripherals to each Android persona and can host additional real-time and/or security-critical services.

Advanced Trace-Capable Debugging:
High quality, feature rich, nonintrusive debugging tools dramatically reduce time-to-market and device quality. Green Hills will demonstrate its industry-leading MULTI® tools suite, best-in-class compilers, source-level and trace-aware TimeMachine™ debugger, the latest in trace probe solutions, along with its lightweight µ-velOSity™ real-time executive—all integrated and running on Freescale's ARM®-based Kinetis K60 SoC.

Embedded Graphics:
For embedded graphics, the demonstration will feature the safety-certified INTEGRITY RTOS running on two separate hardware configurations ¬¬¬– the Cortex-A9-based Fujitsu Emerald and Freescale i.MX51. Through the extensive device driver and middleware support, real-time responsiveness, deterministic behavior and fast boot, this platform is ideal for building an automotive instrument cluster. The Fujitsu OpenGL API or the Altia® user interface engineering tools provide the graphics for this demonstration.

See Green Hills Software demonstrations on the following partner stands at embedded world:

Freescale – Hall 4A, Stand 309
Intel – Hall 1, Stand 324
Digia – Hall 4, Stand 405
EBV Elektronik – Hall 4, Stand 535
Future Electronics – Hall 4A, Stand 108

Visit Green Hills Software at www.ghs.com [1].

Posted by Janine E. Mooney, Editor

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Links:
[1] http://www.ghs.com