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Macraigor Systems Joins Eclipse Foundation, Provides Eclipse Integration for GNU Embedded Development and Debugging Toolset

Engineers can employ free GNU toolset within Eclipse for greater productivity in building embedded systems

BOSTON, MA—January 23, 2007—Macraigor Systems today announced the immediate availability of a free [Eclipse](#)-compliant embedded debugging solution with sample [Eclipse projects](#) that run on many standard evaluation boards. This provides embedded systems engineers with an integrated platform for developing and debugging embedded systems using the widely supported Eclipse platform.

Macraigor Systems today also announced that the company was joining the Eclipse Foundation as an Add-In Provider. In this role, Macraigor will work with Eclipse projects, particularly the C/C++ Developer Toolkit, to ensure that embedded development and debugging tools play a significant role in the advancement of the Eclipse platform.

The Eclipse platform provides embedded developers with an integrated platform for building and debugging systems and software. This platform enables different tools to share a common look-and-feel while providing accessibility within the same framework. It is also possible to customize the environment with a unique tool profile, depending on the type of embedded development being done. Engineers can also add other tools to the Eclipse environment to fill out a customized development platform for high productivity.

The [Macraigor Eclipse + GNU Tools Suite](#) is an implementation that packages Eclipse 3.2.1, several of the open-source GNU tools/utilities and a program

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called OCDRemote, which provides an interface between Eclipse, the GDB debugger and a Macraigor On-Chip debug device. The GNU tools provided by Macraigor Systems include binutils, gcc, gdb and gdbtui.

In addition to the freely available GNU toolset, users can run the following Macraigor software tools from Eclipse's External Tools menu:

- [usbDemon Finder](#) – This tool finds all the Macraigor USB devices currently connected to the host and lets the user flash each device's LED and program license codes for additional Macraigor software tools into a Macraigor [USB JTAG](#) device.
- Scan Chain Analyzer – This tool determines if the JTAG Scan chain is working, what devices are on the JTAG scan chain and what order are they in.
- [OCD Commander](#) – This is an assembly language-level debugger with a built-in assembler/disassembler, s19/elf/hex image loader and macro file parser.

“Eclipse is rapidly becoming the development environment of choice for building and debugging embedded systems,” said Craig Haller, chief engineer of Macraigor Systems LLC. “By incorporating the free GNU development and debugging toolset into Eclipse, we are making it possible for embedded systems engineers to use the tools they are familiar with on a platform that improves their productivity.”

Macraigor distributes versions of the Macraigor Eclipse + GNU Tools Suite for the following processors:

- AMD Geode
- ARM
- MIPS (32 and 64 bit)
- PowerPC
- XScale

Pricing & Availability

The free Macraigor Eclipse + GNU Tools Suite downloads for the i386, PowerPC, MIPS32/64, ARM 7/9/11 and Intel XScale-core processors are immediately available at www.macraigor.com.

About Macraigor Systems

Macraigor Systems LLC is a leading supplier of boundary scan-based hardware debug and BDM/JTAG connection solutions for on-chip debugging of 32 and 64-

bit embedded microprocessors. Macraigor Systems' solutions are designed for price-sensitive customers. These solutions include a suite of software tools that support Windows 9x, NT, ME, XP, 2000 and Linux host systems. Macraigor Systems supports all major embedded microprocessor architectures, including [AMD, ARM, CPU32 Series, PowerPC, MIPS and the XScale](#) microarchitecture. For more information about Macraigor products, please visit www.macraigor.com.

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The URL for the usbDemon photo is located at <http://www.patterson.com/newsroom.cfm>

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