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Mentor Graphics HPC Application Development Environment Now Available for AMD EPYC™ and Ryzen™ CPUs and AMD Radeon Instinct™ GPUs

— Sourcery CodeBench Lite Edition expands development options for high performance computing applications targeting multicore, heterogeneous architectures —

SANTA CLARA, Calif., Nov. 02, 2018 (GLOBE NEWSWIRE) -- AMD (NASDAQ: AMD) today announced the availability of the Mentor Graphics® Sourcery™ CodeBench Lite Edition development environment for AMD EPYC™ and Ryzen™ CPUs and AMD Radeon Instinct™ GPUs.

The Sourcery CodeBench Lite Edition is a no cost, complete C/C++ and Fortran development environment for scientific and high performance computing (HPC) applications. Designed for complex multicore heterogeneous architectures, it allows AMD Radeon Instinct™ GPUs to be targeted for execution using the industry-standard OpenMP® and OpenACC Application Programming Interface (API) specifications. This recent release includes a GNU-based C/C++ and Fortran development tool chain for Linux platforms.

“AMD’s innovative hardware technologies combined with Mentor’s leading Sourcery CodeBench Lite environment will help the company’s growing customer base in developing high performance computing and embedded products,” stated Dr. Randy Allen, director of Advanced Research, Mentor Embedded Platform Solutions. “This integrated solution will allow AMD customers to build, debug and analyze embedded software for multicore, heterogenous applications with high productivity and optimized performance.”

“Mentor’s Sourcery CodeBench Lite Edition enables developers and domain scientists to create optimized applications targeting AMD CPUs and GPUs,” said Ajit Mathews, corporate vice president of Software Development, Compute and Machine Learning, AMD. “By combining common HPC programming languages with the ability to target execution onto AMD Radeon Instinct™ GPUs using industry-standard specifications, Sourcery CodeBench Lite Edition allows developers to harness the power of AMD CPUs and GPUs for next-generation HPC applications.”

In 2014, AMD and Mentor Graphics (now Mentor, A Siemens Business) established an embedded software ecosystem for developers to offer powerful open source tools for building, debugging, analyzing and optimizing embedded software. With the release of Sourcery CodeBench (AMD GCN) Lite Edition, AMD is expanding its reach into the HPC market with its Radeon Instinct™ line of GPU accelerators.

Supporting Resources

- AMD customers can download the AMD64 x86 (GCN) GNU Linux Release here.
- Learn more about AMD Radeon Instinct™ accelerators here.
- Learn more about AMD's Radeon™ Open Ecosystem initiative here.
- Become a fan of AMD on Facebook
- Follow AMD on Twitter

About AMD
For more than 45 years, AMD has driven innovation in high-performance computing, graphics and visualization technologies — the building blocks for gaming, immersive platforms and the datacenter. Hundreds of millions of consumers, leading Fortune 500 businesses and cutting-edge scientific research facilities around the world rely on AMD technology daily to improve how they live, work and play. AMD employees around the world are focused on building great products that push the boundaries of what is possible. For more information about how AMD is enabling today and inspiring tomorrow, visit the AMD (NASDAQ: AMD) website, blog, Facebook and Twitter pages.

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