

*Press Release – final version*

Paris, France – Mountain View, California– July 18, 2006

## **CoFluent Studio™ To Accelerate Exploration Of Digital Multimedia SoC Architectures Based On Sonics® SMART Interconnects™**

**Paris, France – Mountain View, Calif.,**—July 18, 2006—CoFluent Design announced today collaboration with Sonics, Inc. to reduce time-to-profitability of joint customers developing digital multimedia systems.

CoFluent first-20% ESL modeling and simulation toolset will enable Sonics customers to quickly make confident parametric design decisions before final RTL and embedded software development.

Sonics SMART Interconnect solutions offer designers a wide-range of advanced fabric and data-flow services for efficiently and cost-effectively connecting processing elements, memory, and I/O elements of their SoC platform. CoFluent Studio will allow SoC designers to model easily and quickly different use scenarios and analyze various parameters (resource loads, power consumption, die size, latencies, throughputs, etc.) of multiple architecture design alternatives, before all hardware and software components are available, and can be assembled.

TLM SystemC-based CoFluent Studio simulations are driven by graphical timed-behavioral models of application use-cases mapped on abstract models of hardware components characterized with high-level performance attributes. Since no RTL or SystemC models of hardware components are needed or ISS models of processors, CoFluent Studio users can explore the design space and obtain accurate performance data at low cost in a relatively short time – in the project's first 20 percent of design completion.

"On the basis of CoFluent Studio simulation results, designers will be able to optimize the design of their SoC platform, choose the right Sonics SMART Interconnect configuration, and implement it confidently" said Stéphane Leclercq, CEO of CoFluent Design.

### ***CoFluent timed-behavioral models of application use-cases drive Sonics-based SoC platform architecture validation***

The SonicsStudio™ development environment allows designers to build their entire SoC platform and configure the Sonics Interconnect as specified at the beginning of the project. SonicsStudio provides the simulation data for fine-tuning the SoC platform architecture, analyzing it in more detail (bandwidths, cache miss ratios, addressing modes, etc.) and verifying performance figures predicted when using CoFluent Studio models.

Effort is typically required to create test cases to run on SoC RTL or OCP/TL1 models. Software is usually not available and ISS usually takes too long to

simulate. With CoFluent Studio, users create graphical models from which they generate SystemC functional test cases that can interact with the SonicsStudio OCP/TL1 SystemC platform model which runs them. The goal of the collaboration between CoFluent and Sonics is to enable SoC platform designers to develop TLM SystemC programs 10 times faster than by hand-coding.

SonicsStudio and CoFluent Studio will shorten SoC development time and also will enable SoC platform providers to deliver added value to their customers – SoC platform users.

“The collaboration with CoFluent is another element of Sonics’ commitment to provide the best SystemC modeling environments available,” said Phil Casini, vice president of marketing and business development for Sonics.

### ***Meet Sonics and CoFluent at the 2006 DAC***

*CoFluent Design exhibits at the San Francisco 43<sup>rd</sup> Design Automation and Conference in booth # 328.*

#### About CoFluent Design:

CoFluent Design provides CoFluent Studio, a system modeling and simulation software environment that allows developers of electronic systems to:

- DECIDE: Securely predict behavior and performance through system-level modeling and simulation from partial software and hardware
- SHARE: Provide system executable specifications rather than static documents for common hardware/software reference
- CAPITALIZE: Capture the company’s electronic system design know-how in model libraries

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#### About Sonics:

Sonics, Inc.® is the premier supplier of SMART Interconnect™ solutions that deliver high SoC design predictability and increased design efficiency. Major semiconductor and systems companies including Broadcom, Texas Instruments, Toshiba, and Samsung have applied Sonics SMART Interconnect solutions in leading products in the wireless communications, digital multimedia, automotive, and office products markets. Sonics is a privately-held company funded by Cadence Design Systems, Toshiba Corp., Samsung Ventures, and venture capital firms Investar Capital, Smart Technology Ventures, TL Ventures, Easton Hunt Capital, JAFCO Ventures, and H&Q Asia-Pacific. For more information, see [www.sonicsinc.com](http://www.sonicsinc.com)

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