



## Press Alert

### *Native Signal Processing\* Roll Out Moves Forward with Introduction of NSP Library for Pentium® Processor*

Intel, in attendance at the Software Developers Conference in San Francisco (February 13-16), announced the availability of a library of software building blocks designed to enable the creation of NSP-based multimedia and communication applications software for Pentium processor-based PCs. The new NSP library marks Intel's second major step towards supporting NSP following the introduction of IA-SPOX last October.

#### **Key library features and benefits include:**

- Designed for use on general-purpose Intel Architecture processors rather than special-purpose DSP processors.
- Over 100 unique functions available in both real and complex data types as well as both single- and double-precision arithmetic.
- Functions include vector manipulation, filters (FIR, IIR, LMS), Windowing, FFT/DFT, convolutions, multi-rate functions, user-defined error handlers, etc.
- C-callable function library that currently links with applications created with the latest release of either Microsoft or Borland 32 bit C compilers.
- Optimized for maximum performance on the Pentium processor.

"This first NSP library release is one of many activities Intel and its industry partners will engage in this year to bring native signal processing into the market," said Ron Whittier, senior vice president, Intel Architecture Labs. "Native Signal Processing offers exciting new opportunities for OEMs, card makers and software developers."

**Distribution:** Release 1.0 of the NSP library is included on the latest Intel Architecture Labs Software Developer's CD-ROM. The CD-ROM is available free of charge, and will be distributed at the Software Developers conference. For general information contact: CompuServe: GO INTELARCH; general e-mail (IAL\_Support@ccm.hf.intel.com); or World Wide Web: <http://www.intel.com>

\* **What is NSP?** Native signal processing is a software technology developed by the Intel Architecture Labs that allows the Pentium processor to process audio, video, and communications data using software only, rather than off-loading the data to dedicated digital signal processing hardware.

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