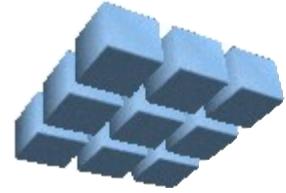# Cmpware CMP-DK
Version 3.2
May 22, 2008

In this Release:

🔵 **FastModel:** Much of the new features in the 3.0 release concentrated on various enhancements to the user interface, such as souce code coloring for profiling. By contrast, much of the improvement in the 3.2 release takes place behind the scenes.

In particular the new *FastModel* modeling interface provides a dramatic increase in performance to an already fast simulation engine. Simulation performance is improved as much as **800%** to **26M+** instructions per cycle on a standard PC workstation. This represents a <u>sustained</u> simulation rate, not the 'peak' rate often used to describe other simulation tools.

FastModel also maintains 100% compatability with all earlier *Cmpware* processor models. *FastModel* implementations can be mixed and matched transparently with all previous processor models. For more details on the *FastModel* interface, see the document:

Modeling Processors with the Cmpware CMP-DK FastModel Interface (Version 3.2 for Eclipse 3.2).

This document contains extensive documentation including an example processor built with the *FastModel* interface. This document also describes the new built-in assembler and disassembler tools generated from the *FastModel* specification. These tools can save valuable development time when implementing a custom processor.

The full-featured commercial version of verstion 3.2 of the *Cmpware CMP-DK* is available at the Eclipse update site ***http://www.cmpware.com/update/*** New users will require a license code from *Cmpware*. Contact us at ***info@cmpware.com*** for licensing and other product information.

A demonstration version of version 3 of the *Cmpware CMP-DK* is also available at the Eclipse Update Site ***http://www.cmpware.com/demo/*** This version is locked to a single 3 x 3 array of *MIPS32* and *SPARC-8* processors, but is useful for educational and evaluation purposes.

We have also established a new **University Program** that features substantial discounts, a much as 90% off of the listed price, for full versions of the *Cmpware CMP-DK* for qualified university projects.

To suggest new features, report problems or simply to comment on the *Cmpware CMP-DK*, please send an email to ***info@cmpware.com***.