



Government Electronics & Information Technology Association  
2500 Wilson Boulevard, Arlington VA 22201-3834  
Phone: (703) 907-7566 Fax: (703) 907-7968

## **PRESS RELEASE**

**For Immediate Release  
June 21, 2006**

**Contact: Chris Denham  
(703) 907-7567  
[cdenham@geia.org](mailto:cdenham@geia.org)**

### **CMC Releases First Standard Version of PSP Compact Model**

Arlington, VA – The GEIA Compact Model Council (CMC) announces the release of the first CMC standard version of the PSP advanced compact model for MOSFETs, PSP 102.0. PSP was developed collaboratively by The Pennsylvania State University and Philips Research. It has been extensively tested by CMC member companies and numerous enhancements suggested by CMC members have been made to meet the needs of industrial users. The model in Verilog-A and the documentation are available now from the PSP website. The SiMKit version of the model in C-code will be available from the Philips website, in July, 2006. The part of the PSP development and support team currently working at Penn State will move to Arizona State University in July of 2006. Links for the current location of PSP documentation, Verilog-A and simkit code can always be found at the CMC website <http://www.eigroup.org/cmc>.

PSP joins BSIM3 and BSIM4 as public domain, industry standard models for planar bulk CMOS supported by the CMC. The PSP model is particularly suited for analog and RF applications where capacitance and current derivatives near  $V_{ds}=0$  are important. The CMC will continue to improve PSP and will release new versions in a controlled manner as enhancements are developed and tested. One area of continuing effort is the CPU time for model evaluation. This is a function of both the model implementation and the model itself. Especially for early implementations of PSP runtimes may be significantly longer than the same circuit simulated with a BSIM4 model. Despite simulation time increases, users of PSP can gain a significant accuracy benefit from PSP.

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#### **About the Government Electronics and Information Technology Association (GEIA)**

GEIA is a trade association representing the "high-tech" industry doing business with government. Our member companies are active in serving the electronics- and information technology-related needs of government customers. We connect industry to government through a unique forecasting process, conducting hundreds of customer interviews in which our companies directly participate. We analyze and issue reports on the federal market for IT solutions, technologies, and advanced electronics products and services of all kinds, producing: An annual 10-Year Defense Forecast; an annual 5-year Federal IT Forecast; and special market studies of the government market such as Services & Support, Homeland Security, etc. Details on GEIA may be found at [www.geia.org](http://www.geia.org).