

May 8, 2001

## **GammaTech Awarded BMDO Contract to Develop Innovative New Data Structure**

Ithaca, NY -- GammaTech, Inc. announced today that it has been awarded a \$64,929 Small Business Innovative Research (SBIR) Phase I contract by the Ballistic Missile Defense Organization (BMDO). Upon completion of this six-month contract, GammaTech will be eligible to compete for up to \$750,000 in Phase II SBIR funding. Under terms of the agreement, GammaTech will develop an innovative new data structure for representing information in highly compressed form that can serve as a replacement for Binary Decision Diagrams (BDDs).

GammaTech has recently filed for a patent for this new data structure, which was invented for representing information in highly compressed form. This data structure can potentially lead to data structures that are exponentially smaller than BDDs. GammaTech is developing a commercial package that will be a plug-compatible replacement for binary-decision diagrams. If successful, this data structure will have the potential to permit hardware analysis and verification to be done much faster, and to allow much larger problems to be tackled than has previously been possible.

### **ABOUT GRAMMATECH**

GammaTech was founded in 1988 to design, develop, and market language-based productivity tools for software engineers. The company has an active research agenda sponsored by DARPA, the Office of Naval Research (ONR), the National Science Foundation (NSF), the Air Force Research Laboratory (AFRL), the Naval Sea Systems Command (NAVSEA), and the Ballistic Missile Defense Organization (BMDO). The company has conducted previous research on dependence graphs, formal methods, and language-based programming, and has successfully transitioned its research into commercial software tools. GammaTech currently markets CodeSurfer, a software-understanding tool, Ada-ASSURED, a language-sensitive editor, Ada-Utilities, a language-sensitive toolset for project-wide quality and standards auditing, and the Synthesizer Generator, a tool for developing language-sensitive program-development environments. These products are available directly from GammaTech and distributed by Aonix Software. Additional information is available on the Internet at [www.grammatech.com](http://www.grammatech.com).

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