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# Re-engineering The Janus(A) Combat Simulation System



## Synopsis

This is a NAVAL POSTGRADUATE SCHOOL MONTEREY CA DEPT OF COMPUTER SCIENCE report procured by the Pentagon and made available for public release. It has been reproduced in the best form available to the Pentagon. It is not spiral-bound, but rather assembled with Velobinding in a soft, white linen cover. The Storming Media report number is A718063. The abstract provided by the Pentagon follows: This report describes a case study to determine whether computer- aided prototyping techniques provide a cost-effective means for re-engineering legacy software. The case study consists of developing a high-level modular architecture for the existing US Army Janus combat simulation system, and validating the architecture via an executable prototype using the Computer Aided Prototype System (CAPS), a research tool developed at the Naval Postgraduate School. The case study showed that prototyping can be a valuable aid in re-engineering of legacy systems, particularly in cases where radical changes to system conceptualization and software structure are needed. The CAPS system enabled us to do this with a minimal amount of coding effort.

## Book Information

Spiral-bound: 161 pages

Publisher: Storming Media (1999)

Language: English

ISBN-10: 1423554019

ISBN-13: 978-1423554011

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