

Direct Deposit:
A Basic User-Level Protocol for Carpet Clusters ¹

Mark R. Swanson
Leigh B. Stoller
E-mail: {swanson,stoller}@cs.utah.edu

UUCS-95-003

Department of Computer Science
University of Utah
Salt Lake City, UT 84112, USA

January 23, 1996

Abstract

This note describes the **Direct Deposit Protocol** (DDP), a simple protocol for multicomputing on a carpet cluster. This protocol is an example of a user-level protocol to be layered on top of the low-level, sender-based protocols for the Protocol Processing Engine. The protocol will be described in terms of its system call interface and an operational description.

¹This work was supported by a grant from Hewlett-Packard, and by the Space and Naval Warfare Systems Command (SPAWAR) and Advanced Research Projects Agency (ARPA), Communication and Memory Architectures for Scalable Parallel Computing, ARPA order #B990 under SPAWAR contract #N00039-95-C-0018