

expertise is lost when employees retire or otherwise leave.

- Facilitate the development of new ways of identifying opportunities for innovation and minimization of duplicated efforts.
- Assist employees in achieving competitive advantages through the application of knowledge-management concepts and related systems.
- Assist external organizations in requesting speakers for specific engagements or determining from whom they might be able to request help via electronic mail.
- Help foster an environment of collaboration for rapid development in today's environment, in which it is increasingly necessary to assemble teams of experts from government, universities, research laboratories, and industries, to quickly solve problems anytime, anywhere.
- Make experts more visible.
- Provide a central repository of information about employees, including information that, heretofore, has typically not been captured by the human-resources systems (e.g., information about

past projects, patents, or hobbies).

- Unify myriad collections of data into Web-enabled repository that could easily be searched for relevant data.

This program was written by Irma Becerra Fernandez of Florida International University for Kennedy Space Center. For further information, contact the Kennedy Commercial Technology Office at (321) 867-8130. KSC-12498

High-Speed Recording of Test Data on Hard Disks

Disk Recording System (DRS) is a systems-integration computer program for a direct-to-disk (DTD) high-speed data-acquisition system (HDAS) that records rocket-engine test data. The HDAS consists partly of equipment originally designed for recording the data on tapes. The tape recorders were replaced with hard-disk drives, necessitating the development of DRS to provide an operating environment that ties two computers, a set of five DTD recorders, and signal-processing circuits from the orig-

inal tape-recording version of the HDAS into one working system. DRS includes three subsystems: (1) one that generates a graphical user interface (GUI), on one of the computers, that serves as a main control panel; (2) one that generates a GUI, on the other computer, that serves as a remote control panel; and (3) a data-processing subsystem that performs tasks on the DTD recorders according to instructions sent from the main control panel. The software affords capabilities for dynamic configuration to record single or multiple channels from a remote source, remote starting and stopping of the recorders, indexing to prevent overwriting of data, and production of filtered frequency data from an original time-series data file.

This program was written by Paul M. Lagarde, Jr., of the Boeing Co. and Bruce Newman of Integrated System Consultants for Stennis Space Center.

Inquiries concerning rights for the commercial use of this invention should be addressed to the Intellectual Property Manager, Stennis Space Center, (228) 688-1929. Refer to SSC-00188.