

tional round trip while the lost data are retransmitted; even multiple retransmission cycles may be necessary.

LTP's possible multiplicity of sessions per association makes it necessary for each segment of application data to include an additional demultiplexing token: a "session ID" that uniquely identifies the session in which the segment was issued and, implicitly, the block of data being conveyed by this session.

This software comprises a prototype implementation developed by Johns Hopkins University APL in cooperation with JPL, together with adaptations that improve the robustness, correctness, and operability of that implementation.

This work was done by Scott C. Burleigh and Chris Krupiarz of JHU/APL for NASA's

Jet Propulsion Laboratory. Further information is contained in a TSP (see page 1).

This software is available for commercial licensing. Please contact Daniel Broderick of the California Institute of Technology at danielb@caltech.edu. Refer to NPO-45208.

Core Recursive Hierarchical Image Segmentation

The Recursive Hierarchical Image Segmentation (RHSEG) software has been repackaged to provide a version of the RHSEG software that is not subject to patent restrictions and that can be released to the general public through NASA GSFC's Open Source release process. Like the Core HSEG Software Package, this Core RHSEG Software

Package also includes a visualization program called HSEGViewer along with a utility program HSEGReader. It also includes an additional utility program called HSEGExtract.

The unique feature of the Core RHSEG package is that it is a repackaging of the RHSEG technology designed to specifically avoid the inclusion of the certain software technology. Unlike the Core HSEG package, it includes the recursive portions of the technology, but does not include processing window artifact elimination technology.

This work was done by James Tilton of Goddard Space Flight Center. For further information, contact the Goddard Innovative Partnerships Office at (301) 286-5810. GSC-15983