Java MPI binding **In contrast to HPF, our programming model is explicitly SPMD, with independent threads of control in each processor. It is therefore possible to make calls to message-passing libraries such as MPI from any point in an HPJava program.**

We have proposed a Java binding for MPI, version 1.1. In the style of the C++ bindings in the MPI 2.0 standard, our interface is fully object-oriented, with communication operations defined as members of a hierarchy of communicator classes. With very few exceptions, it provides all the functions of MPI available to Fortran or C programmers.

The MPI binding has been initially implemented as a JNI wrapper on top of a standard C interface to MPI. A complete MPI test suite developed by IBM is being translated to Java, to validate the wrapper code.

References. **An extended version of this article, including references, is available from**

`http://www.npac.syr.edu/projects/pcrc/doc`