



Barbara Chapman is a Professor of Computer Science at the University of Houston, where she leads a group that performs research into programming models and their implementation as well as programming environments of the future. She has been involved in the standardization of OpenMP, which provides directive-based features for shared memory parallel programming, since 1999. Her HPCTools group has considered how this API might be enhanced to meet the needs of large-scale computing, and has also explored its use on power-saving devices such as DSPs. They also provide the open source OpenUH compiler with support for Fortran/C/C++, OpenMP and CAF. Dr. Chapman has participated in the International Exascale Software Project and the effort of the Exascale Software Center.