

Press paragraph:

“The free performance-lunch is over”- Herb Sutter

Since 2005, We have been realizing that the serial processing speed in a micro-processor was reaching its limit. Since then, software developers are forced to develop massively parallel programs to make use of this multi-processor environment. Accepting the notion, we have developed an implementation of a multi-threaded graph algorithm called the push-relabel algorithm to find maximum flow. Performance of the algorithm was studied on the Intel Xeon micro-processor. An insight on developing parallel high-performance implementation on a state of the art processor is discussed in the paper.