Dear Colleagues,

This issue is the first of two special issues of the *Interval Computations* journal that focus on parallel algorithms of interval computation, their implementation, and application of such algorithms to scientific, engineering and data processing problems.

For many numerical problems, traditional algorithms do not guarantee any accuracy of the answer. It takes an extra effort to come up with a *guaranteed* accuracy. Therefore, methods of interval computations (i.e., methods that produce such a guaranteed accuracy), require more computation time than traditional numerical algorithms. Hence, for interval algorithm, there is often an urgent need to decrease this computation time. The natural way to decrease this time is to use several processors working in parallel.

These issues present a broad range of parallel interval algorithms and their applications. We hope that this is just the beginning: with the price of parallel computers going down (so that even off-the-counter PC's often have a co-processor that can work in parallel with the main one), parallel computations will become more and more wide-spread.

These issues were not initially intended as a continuing series, but if there are sufficiently many new interesting papers (and judging by several very late submissions that we had to decline, there are some), we would be glad to collect papers for new parallel issues. If you are interested in submitting such a paper, please contact us and/or the editors of the Journal.

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