Topic 4: Compilers for High Performance

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Topic Chairs

Welcome to Euro-Par's Topic 4, which provides a forum for the presentation of the latest research results and practical experience in Compilers for High Performance. Topic 4 deals with compilation for high performance architectures. Papers were invited targeting both general-purpose platforms and specialised hardware designs such as graphic coprocessors or low-power embedded systems. We were also keen to solicit papers that explore more general issues, such as program analysis, languages, run-time systems, and feedback-directed optimisation.

We thank the many helpful referees, who provided at least four reports on each of the nine papers submitted. After vigorous, good-natured and pleasurable debate among the program committee members, five were accepted.

The quality of submissions was uniformly high, and without exception, the papers we were unable to accept this time represent sound work which we would encourage the authors to submit next year in more mature form.

Euro-Par's tight page limit makes it a forum for work which is focussed on interesting new ideas, rather than extensive experimental evaluation of more established material. We believe this makes for a lively programme of presentations, and we are confident there will be plenty of interesting questions and discussion.