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Sommario/riassunto	This book constitutes the refereed proceedings of the 28th International Supercomputing Conference, ISC 2013, held in Leipzig, Germany, in June 2013. The 35 revised full papers presented together were carefully reviewed and selected from 89 submissions. The papers cover the following topics: scalable applications with 50K+ cores; performance improvements in algorithms; accelerators; performance

analysis and optimization; library development; administration and management of supercomputers; energy efficiency; parallel I/O; grid and cloud.