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Sommario/riassunto	This book constitutes the refereed proceedings of the First HPCLATAM - CLCAR Joint Latin American High Performance Computing Conference, CARLA 2014, held in Valparaiso, Chile, in October 2014. The 17 revised full papers and the one paper presented were carefully reviewed and selected from 42 submissions. The papers are organized in topical sections on grid and cloud computing; HPC architectures and tools; parallel programming; scientific computing.

