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	Sommario/riassunto	The surge of multicore processors coming into the market and on users' desktops has made parallel computing the focus of attention once again. This time, however, it is led by the industry, which ensures that multicore computing is here to stay. Nevertheless, there is still so much research work to be done in multicore hardware-software designs before consumer applications can leverage the benefits of this new paradigm. This e-book is being put forward as a platform for immediate collection of state-of-the-art technologies in both hardware and software designs for multicore computing. With the