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	Sommario/riassunto	Multiprocessor platforms play important roles in modern computing systems, and appear in various applications, ranging from energy-limited hand-held devices to large data centers. As the performance requirements increase, energy-consumption in these systems also increases signicantly. Dynamic Voltage and Frequency Scaling (DVFS), which allows processors to dynamically adjust the supply voltage and the clock frequency to operate on dierent power/energy levels, is considered an eective way to achieve the goal of energy-saving. This book surveys existing works that have been on energy-aware task scheduling on DVFS multiprocessor platforms. Energy-aware scheduling problems are intrinsically optimization problems, the formulations of which greatly depend on the platform and task models under consideration. Thus, Energy-aware Scheduling on Multiprocessor Platforms covers current research on this topic and classies existing works according to two key standards, namely, homogeneity/heterogeneity of multi-processor platforms and the task types considered. Under this classication, other sub-issues are also included, such as, slack reclamation, xed/dynamic priority sched-uling, partition-based/global scheduling, and application-specic power consumption, etc.