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Sommario/riassunto   Annotation The nineteenth Euromicro Conference on Real-Time Systems covers state-of-the-art research and development in real-time computing. The papers in ECRTS 20007 focus on applications, infrastructure and hardware, software technologies, and system design and analysis. The proceedings explores consumer electronics, process control, communication networks, embedded devices, hardware/software co-design, wireless sensor networks, compiler support, component-based approaches, and middleware and distribution technologies; It also looks at programming languages and operating systems, modelling and formal methods, probabilistic analysis for RT systems, quality of service support, and reliability, security and survivability in real-time systems. Contents: Scheduling and Schedulability Analysis; Multiprocessor Scheduling; Control and Energy Management; Wireless Network Scheduling; Timing Analysis; Quality of Service Management; Scheduling in Networks and Multicore Platforms; Fixed-Priority Scheduling.