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misunderstood. Industrial process control systems, transportation control and supervision systems, signal-processing systems, are examples of the systems we have in mind.

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Although these systems are more and more computerized, it is surprising to notice that the problem of time in computer science has been studied only recently by

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"pure" computer
scientists. Until the
early 1980s, time problems
were regarded as the
concern of performance
evaluation, or of some
(unjustly scorned)

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"industrial computer engineering," or, at best, of operating systems. A second surprising fact, in contrast, is the growth of research concerning timed systems during the last

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decade. The handling of time has suddenly become a fundamental goal for most models of concurrency. In particular, Robin Alilner 's pioneering works about synchronous process

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algebras gave rise to a school of thought adopting the following abstract point of view: As soon as one admits that a system can instantaneously react to events, i. e.

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