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integrates the fundamentals of artificial intelligence and systems control in a framework applicable to both simple dynamic systems and large-scale system of systems (SoS). For decades, NASA has used SoS methods, and major

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traditional systems control theory
with soft computing techniques
further nourishes emerging SoS
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authors address the fundamental

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precepts at the core of SoS, which uses human heuristics to model complex systems, providing a scientific rationale for integrating independent, complex systems into a single coordinated, stabilized, and optimized one. They provide

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system," which, although best known and more suggestive, has been given so many different meanings that it is almost inevitably misunderstood. Industrial process control systems, transportation control and

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supervision systems, signal-processing systems, are examples of the systems we have in mind. Although these systems are more and more computerized, it is surprising to notice that the problem of time in computer science has

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

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engineering," or, at best, of operating systems. A second surprising fact, in contrast, is the growth of research concerning timed systems during the last decade. The handling of time has suddenly become a fundamental

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goal for most models of concurrency. In particular, Robin Alilner 's pioneering works about synchronous process algebras gave rise to a school of thought adopting the following abstract point of view: As soon as one

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admits that a system can
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2007, Ethan and Joel Coen brought their adaptation of McCarthy's novel to the screen. The film earned praise from critics worldwide and was honored with four Academy Awards', including Best Picture, Best Director, and Best Adapted

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Screenplay. In *No Country for Old Men: From Novel to Film*, scholars offer varied approaches to both the novel and the award-winning film. Beginning with several essays dedicated entirely to the novel and its place within the McCarthy

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Basic Electronics

Instrumentation and Control

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