# Applications for Distributed Networking Systems

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## Message from the Guest Editors

Distributed and cloud-enabled technologies are increasingly becoming mainstream solutions. Applications involving control and management systems are nowadays traversing to decentralized control solutions that either incorporate ML decision logic or rely on cloud-based frameworks, M2M real-time metering, and smart services. For the implementation of such distributed systems, designers must address several issues, including accuracy, communication, energy efficiency, memory usage, locality, distributed node failures, concurrency, authentication, security, and fault tolerance.

In the scope of this SI are the emergence of new distributed models, algorithms, distributed computation services, and applications for integrating new distributed infrastructure systems, algorithms, and services, as well as transformations of traditional Industrial and mainstream centralized systems to distributed ones, designed to leverage economics of scale through batch processing. Such transformations include systems such as incident response systems, resource management systems industrial plants, healthcare systems, energy systems, mobile nets, IoT systems, communication, and broadcast media systems.

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## Message from the Editor-in-Chief

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