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Special Session on
“Network-based Control Systems and Its Applications”

Organized by

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Call for Papers

Theme: (100 words)

Since Network-based control system (NBCS) is a key technology to realize cyber-physical systems, Internet of Things, Internet of Services, Smart Infrastructure, concept of Industry 4.0, and so on, it has been drawing significant attention in recent years. In this special session, we will study current situations and share latest results of NBCS researches. Furthermore, future prospects of NBCS will be also discussed.

Topics of interest include, but are not limited to:

- Control theory for NBCS,
- Communication protocols and devices for NBCS,
- Quality of service (QoS) concerns in NBCS,
- Task and message scheduling for NBCS,
- Distributed sensing, actuation, motion control, and optimization,
- Cooperative control and consensus problems,
- Telerobotics and teleoperation technologies,
- NBCS in vehicles, space, energy, and other applications.

▪ **IES Technical Committee Sponsoring the Special Session (if any):**