

# **Networked Control Systems: Current Research and Future**

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Abstract: Research in Networked Control Systems (NCSs) is motivated by wide applications of NCS, as well as "Future Directions of Control, Dynamics, and Systems" identified in a control expert panel report. Current research activities can be divided into three categories: (1) studies that focus on NCS control system analysis and design, (2) network architecture, protocol and scheduling; and (3) experimental and simulation studies. These research activities and the impact of NCSs on traditional large-scale system control methodologies are briefly reviewed in this presentation. In addition, some possible future research is proposed. NCS is a multi-discipline, very challenging and promising research area.