

Call for Papers SS06 – Adaptive and Reconfigurable Cyber-Physical Systems

Organized and co-chaired by

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✦ **FOCUS.** Adaptive and reconfigurable systems can react to changes in environment, resources or applications by adjusting system parameters and structure. This allows coping with live system updates, dynamic application sets, dynamic requirements/load and variable resources. However, adaptivity and reconfigurability add new requirements and increase complexity. Therefore, all architectural levels have to be carefully designed to ensure that overall system requirements are continuously fulfilled.

This Special Session focuses on novel ideas and concepts to realize such adaptations and reconfigurations in Cyber Physical Systems (CPS), analyzing tradeoffs between benefits and costs, novel algorithms and experiences with simulation or practical case studies.

✦ TOPICS

- Adaptive embedded and distributed embedded systems
- Adaptability and reconfigurability with Software Defined Networking
- Adaptability via virtualization in networks and computation
- Reconfiguration in the context of Industrial IoT
- Wired and wireless networks to support adaptability and reconfigurability
- Resource allocation/adaptation in cloud and fog computing
- Middleware for dynamic reconfiguration
- Probabilistic approaches to reconfigurable systems
- System architectures for adaptivity and reconfigurability
- Adaptive control in (distributed) embedded systems

✦ AUTHOR'S SCHEDULE(2019)

❖ Regular and special sessions papers

Submission deadline	April 1	April 22
Acceptance notification	May 6	May 20
Deadline for final manuscripts	June 17	June 27