Vortragsankündigung

Seminar Regelungssysteme LV 0430L 654

Monday, May 26th, 11am
Vortragsort: EN 220

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Embedded Sensing and Control Systems: Model-Based and Intermittent Feedback Control

In the first part of the talk, several research issues will be discussed including the renewed interest in the distributed control of complex systems, in the strong interaction of embedded computer and physical systems that requires a completely new way of thinking (Cyber-Physical Systems (CPS)), and in fundamental feedback control issues such as feedback stabilization under communication constraints. Recent research in passivity as a property that allows us to build stable networked control systems will also be discussed. In the second part of the talk, recent research results in model-based intermittent feedback control, an approach that has excellent potential for networked control applications, will be presented in detail.