

Part I

Design

In this part, we discuss the design of packet-based networked control systems in various settings. This starts from a general description of the approach to discrete linear systems in Chap. 2. Then, the approach is extended in two directions, by considering nonlinear dynamics (Hammerstein systems in Chap. 3 and Wiener systems in Chap. 4) and plants in continuous time (Chap. 5), respectively. A unified design framework of the packet-based control approach to networked control system is finally completed.