

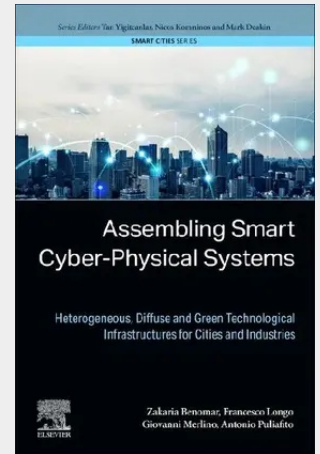
## Assembling Smart Cyber-Physical Systems

Heterogeneous, Diffuse and Green Technological Infrastructures for Cities and Industries

Assembling Smart Cyber-Physical Systems: Heterogeneous, Diffuse and Green Technological Infrastructures for Cities and Industries offers a comprehensive approach on how to design, implement, and use Cyber Physical Systems (CPSs)-computing systems with a strong interaction between the physical environment (equipped with sensors and actuators) and the cyber realm (the Cloud). Through a carefully structured methodological approach to systems design, readers will learn how the infrastructure continuum represents our environment, where we can move from edge computing to the Cloud, going through fog resources to set up an entire framework for services deployment and application in smart cities and industries. As dealing with complex systems has become increasingly difficult, CPSs are increasingly critical to cope with integrating software, which people are used to, with hardware, which is distributed among different domains. This book shows how to deal with such systems where there is no distinction among the different parts: computing, storage, networking, and IoT all contribute to setting up the modern processing environments, thus it is mandatory to keep them simultaneously under control.

Assembling Smart Cyber-Physical Systems: Heterogeneous, Diffuse and Green Technological Infrastructures for Cities and Industries offers a comprehensive approach on how to design, implement, and use Cyber Physical Systems (CPSs)-computing systems with a strong interaction between the physical environment (equipped with sensors and actuators) and the cyber realm (the Cloud). Through a carefully structured methodological approach to systems design, readers will learn how the infrastructure continuum represents our environment, where we can move from edge computing to the Cloud, going through fog resources to set up an entire framework for services deployment and application in smart cities and industries.

As dealing with complex systems has become increasingly difficult, CPSs are increasingly critical to cope with integrating software, which people are used to, with hardware, which is distributed among different domains. This book shows how to deal with such systems where there is no distinction among the different parts: computing, storage, networking, and IoT all contribute to setting up the modern processing environments, thus it is mandatory to keep them simultaneously under control.



**117,50 €**

117,50 € (zzgl. MwSt.)

*vorbestellbar, Erscheinungstermin ca.  
Dezember 2026*

**Artikelnummer:** 9780443298370

**Medium:** Buch

**ISBN:** 978-0-443-29837-0

**Verlag:** Elsevier Science

**Erscheinungstermin:** 01.12.2026

**Sprache(n):** Englisch

**Auflage:** Erscheinungsjahr 2026

**Produktform:** Kartoniert

**Gewicht:** 449 g

**Seiten:** 300

**Format (B x H):** 152 x 229 mm

