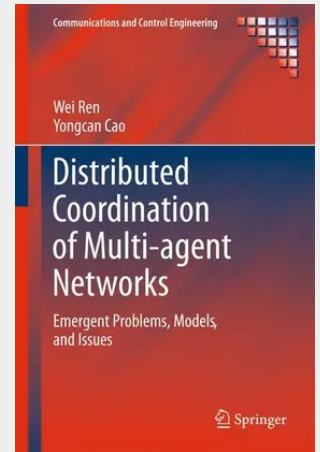


Distributed Coordination of Multi-agent Networks

Emergent Problems, Models, and Issues

Distributed Coordination of Multi-agent Networks introduces problems, models, and issues such as collective periodic motion coordination, collective tracking with a dynamic leader, and containment control with multiple leaders, and explores ideas for their solution. Solving these problems extends the existing application domains of multi-agent networks; for example, collective periodic motion coordination is appropriate for applications involving repetitive movements, collective tracking guarantees tracking of a dynamic leader by multiple followers in the presence of reduced interaction and partial measurements, and containment control enables maneuvering of multiple followers by multiple leaders.

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160,49 €

149,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9780857291684

Medium: Buch

ISBN: 978-0-85729-168-4

Verlag: Springer

Erscheinungstermin: 08.12.2010

Sprache(n): Englisch

Auflage: 1. Auflage 2010

Serie: Communications and Control Engineering

Produktform: Gebunden

Gewicht: 718 g

Seiten: 310

Format (B x H): 160 x 241 mm

