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Titolo	Consensus Problem of Delayed Linear Multi-agent Systems : Analysis and Design // by Cheng-Lin Liu, Fei Liu
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Descrizione fisica	1 online resource (X, 124 p. 62 illus., 3 illus. in color.)
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Disciplina	629.8
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Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Introduction -- Preliminaries -- Consensus analysis of delayed multi-agent systems -- Difference-compensated consensus algorithms -- Predictor-based consensus algorithms -- Conclusions.
Sommario/riassunto	In the context of coupled-coordination control mechanisms, this book focuses on the delay robustness of consensus problems with asynchronously coupled and synchronously coupled consensus algorithms respectively. Moreover, constructive consensus algorithms that tolerate larger communication delays are proposed according to idea of compensation. By providing rigorous theoretical proofs and numerous numerical simulations, it enhances readers' understanding of the consensus coordination control mechanism of multi-agent systems with communication delays.