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Titolo	Control theory applications for dynamic production systems : time and frequency methods for analysis and design / / Neil A. Duffie
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ISBN	1-119-86286-8 1-119-86284-1
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Nota di contenuto	Continuous-Time and Discrete-Time Modeling of Production Systems -- Transfer Functions and Block Diagrams -- Fundamental Dynamic Characteristics and Time Response -- Frequency Response -- Design of Decision-Making for Closed-Loop Production Systems -- Application Examples -- Bibliography.
Sommario/riassunto	"Production planning, operations and control are being transformed by digitization, creating opportunities for automation of decision making, reduction of delays in making and implementing decisions, and significant improvement of production system performance. Meanwhile, to remain competitive, today's production industries need to adapt to increasingly dynamic and turbulent markets. In this environment, production engineers and managers can benefit from tools of control system engineering that allow them to mathematically model, analyze and design dynamic, changeable production systems with behavior that is effective and robust in the presence of turbulence. Research has shown that the tools of control system engineering are important additions to the production system engineer's toolbox, complementing traditional tools such as discrete event simulation. However, many production engineers are unfamiliar with application of these tools in their field. This book is a practical yet thorough introduction to the use

of transfer functions and control theoretical methods in the modeling, analysis and design of the dynamic behavior of production systems. Production engineers and managers will find this book a valuable and fundamental resource for improving their understanding of the dynamic behavior of modern production systems and guiding their design of future production systems. In this book, emphasis is placed on analysis and examples that illustrate the opportunities that control theoretical time and frequency perspectives present for understanding and designing the behavior of dynamic production systems. The dynamic behavior of the components of these systems and their interactions must be understood first before decision making can be designed and implemented that results in favorable overall dynamic behavior of the production system, particularly when the structure contains feedback. In the re-planning system with the structure in Figure 1.1, control theoretical modeling and analysis reveals relationships between the frequency of re-planning decisions and delays in making and implementing decisions that results undesirable oscillatory behavior unless these relationships are taken into account in design of replanning decision making. Benefits of reducing delays using digital technologies can be quantified and used to guide re-planning cycle redesign"--

2. Record Nr.	UNINA9910367627203321
Autore	Quayle Peter
Titolo	International organizations and the promotion of effective dispute resolution. AIIB Yearbook of International Law 2019 / Peter Quayle; Xuan Gao
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Nota di contenuto	Front Matter -- Copyright Page -- Introduction: International Organizations and the Promotion of Effective Dispute Resolution / Peter Quayle and Xuan Gao -- International Arbitration's Effectiveness and Affinity with Multilateral Institutions -- An Effective Platform for International Arbitration: Raising the Standards in Speed, Costs and Enforceability / Cavinder Bull -- What makes for Effective Arbitration? A Case Study of the London Court of International Arbitration Rules / Jacomijn van Haersolte-van Hof and Romilly Holland -- The Contributions of the Hong Kong International Arbitration Centre to Effective International Dispute Resolution / Matthew Gearing and Joe Liu -- Resolving Disputes in China: New and Sometimes Unpredictable Developments / Jingzhou Tao and Mariana Zhong -- International Organizations as Proponents of the Norms of Dispute Resolution -- The Role of International Organizations in Fostering Legitimacy in Dispute Resolution / Hugo Siblesz -- The Role of International Organizations in Promoting Effective Dispute Resolution in the 21st Century / Locknie Hsu -- The Dispute Resolution Mandates of International Organizations -- The World Bank and the Creation of the International Center for Settlement of Investment Disputes: Legality and Legitimacy / Wenwen Liang -- Dispute Regulation in the Institutional Development of the Asian Infrastructure Investment Bank: Establishing

the Normative Legal Implications of the Belt and Road Initiative / Malik R. Dahlan -- The World Trade Organization and the Promotion of Effective Dispute Resolution: In Times of a Trade War / Asif H. Qureshi -- The Role of Dispute Resolution and Economic Development -- Development Financing of Dispute Resolution Reform Projects: The Evolving Approach of the Asian Development Bank / Ramit Nagpal and Christina Pak -- Commercial Dispute Resolution: Unlocking Economic Potential Through Lighthouse Projects / Andreas Baumgartner -- The Evolution of Mediation in Central Asia: The Perspective of the European Bank for Reconstruction and Development / Marie-Anne Birken and Kim O'Sullivan -- 2018 AIIB Law Lecture and Legal Conference -- 2018 AIIB Law Lecture: International Organizations in the Recent Work of the International Law Commission / Georg Nolte -- 2018 AIIB Legal Conference Report / Ranjini Ramakrishnan.

Sommario/riassunto

This second volume of the AIIB Yearbook of International Law examines the role of international organizations in promoting effective dispute resolution. It is divided into five parts to reflect a series of overarching themes and relationships. Firstly, international arbitration's effectiveness and affinity with multilateral institutions. Second, international organizations as proponents of the norms of dispute resolution. Third, the dispute resolution mandates of international organizations. Fourth, the role of dispute resolution and economic development. Together, this diversity of perspectives offers convincing evidence that effective dispute resolution is a precondition to successful economic development—and that international organizations have an essential role to play in promoting both. The fifth part presents the 2018 AIIB Law Lecture given by Georg Nolte, Chair of the International Law Commission, on the subject of 'International Organizations in the Recent Work of the International Law Commission' and the 2018 AIIB Legal Conference Report.
