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Nota di contenuto	Introduction -- Time-Delayed Control of a Class of EL System: Design Issues and Solutions -- Adaptive Robust Time-Delayed Control for a Class of Uncertain EL Systems -- Time-Delayed Control of a Class of EL Systems with only Position Feedback -- Adaptive-Robust Control of a Class of EL Systems with Unknown System Dynamics -- Conclusion.
Sommario/riassunto	The book investigates the role of artificial input delay in approximating unknown system dynamics, referred to as time-delayed control (TDC), and provides novel solutions to current design issues in TDC. Its central focus is on designing adaptive-switching gain-based robust control (ARC) for a class of Euler–Lagrange (EL) systems with minimal or no knowledge of the system dynamics parameters. The newly proposed TDC-based ARC tackles the commonly observed over- and under-estimation issues in switching gain. The consideration of EL systems lends a practical perspective on the proposed methods, and each

chapter is supplemented by relevant experimental data. The book offers a unique resource for researchers in the areas of ARC and TDC alike, and covers the state of the art, new algorithms, and future directions.