1. Record Nr. UNISA990003660840203316

Titolo	Storia d'Italia nel secolo Ventesimo : strumenti e fonti / a cura di Claudio Pavone
Pubbl/distr/stampa	Roma : Ministero per i beni e le attività culturali, Dipartimento per i beni archivistici e librari, Direzione generale per gli archivi, 2006
Descrizione fisica	volumi ; 24 cm
Disciplina	945.091
Soggetti	Italia Fonti archivistiche
Collocazione	X.3.B./1-2-3
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNINA9910640379103321

Autore	Roy Tamal
Titolo	Robust Control-Oriented Linear Fractional Transform Modelling : Applications for the μ-Synthesis Based H Control / / by Tamal Roy, Ranjit Kumar Barai
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2023
ISBN	981-19-7462-4
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (166 pages)
Collana	Studies in Systems, Decision and Control, , 2198-4190 ; ; 453
Disciplina	629.832
Soggetti	Automatic control Mechatronics Robotics Automation Control and Systems Theory Control, Robotics, Automation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.

Nota di contenuto	Introduction -- Mathematical Modelling of Real Physical System -- Control Oriented Linear Fractional Transformation -- Synthesis Based H Control Theory -- Generalized Control Oriented LFT Modelling of a Coupled Uncertain MIMO System -- Control-Oriented LFT Modelling of a Two-DOF Spring- Mass-Dashpot Dynamic System -- Control Oriented LFT Modelling and H Control of Twin Rotor MIMO System -- Control Oriented LFT Modelling and H Control of Differentially Driven Wheeled Mobile Robot -- Control Oriented LFT Modelling and H Control of Differentially Driven Wheeled Mobile Robot with Slip Dynamics.
Sommario/riassunto	This book covers a new paradigm of system modeling – the robust control-oriented linear fractional transformation (LFT) modeling. A dynamic system expressed in LFT modeling framework paves the way for the application of modern robust controller design technique like -synthesis method for controller design. This book covers the generalized robust control-oriented LFT modeling representation of the MIMO system depending upon the uncertainty structure, system dynamics, and the dimensions of the input–output. The modeling framework results into a compact and manageable representation of uncertainty modeling in the form of feedback-like structure that is suitable for design and implementation of the robust control technique like -synthesis-based H control theory. This book also describes the application of the proposed methodology in a variety of advanced mechatronic systems like the Twin Rotor MIMO system, wheeled mobile robot, and an industrial robot arm.