1.	Record Nr.	UNISALENTO991003693059707536
	Autore	Adler, Robert J.
	Titolo	A practical guide to heavy tails : statistical techniques and applications / Robert J. Adler, Raisa E. Feldman, Murad S. Taqqu, editors
	Pubbl/distr/stampa	Boston : Birkhauser, c1998
	ISBN	0817639519
	Descrizione fisica	xvi, 533 p. : ill. ; 26 cm.
	Classificazione	AMS 62-06 LC QA274.4.P73
	Altri autori (Persone)	Feldman, Raisa E. Taqqu, Murad S.
	Disciplina	519.5
	Soggetti	Gaussian distribution Gaussian processes
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Papers presented at the Workshop held in Santa Barbara, in December 1995. Includes bibliographical references

2.	Record Nr.	UNINA9910911299603321
	Autore	Herbst Gernot
	Titolo	Active Disturbance Rejection Control : From Principles to Practice / / by Gernot Herbst, Rafal Madonski
	Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Birkhäuser, , 2025
	ISBN	9783031726873
		3031726871
	Edizione	[1st ed. 2025.]
	Descrizione fisica	1 online resource (XIII, 214 p. 109 illus., 96 illus. in color.)
	Collana	Control Engineering, , 2373-7727
	Disciplina	003
	Soggetti	System theory
		Control theory
		Control engineering
		Systems Theory, Control
		Control and Systems Theory
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Nota di contenuto	Part I: Foundations -- Prelude: A Fresh Look -- First Contact with ADRC -- Linear Active Disturbance Rejection Control -- Between Time and Frequency Domain -- Visual Tour -- Extensions and Modifications -- Interlude: A Look Around -- Part II: Going Practical -- Discrete-Time Linear ADRC -- Practical Aspects -- Software Implementation -- Application Examples -- Postlude: A Look Ahead.
	Sommario/riassunto	This open access text offers the first comprehensive introduction to the fundamental principles and practical implementation of Active Disturbance Rejection Control (ADRC). Drawing on their years of experience in both research and industry, the authors have designed the text to be accessible to readers at any level of knowledge and experience with ADRC. Multiple entry points and paths through the text are defined so that it can be easily adapted to their specific needs. Part I covers the theoretical foundations of ADRC, giving readers the basic information in a self-contained, tutorial style. Emphasis is placed on first developing an intuition for ADRC through illustrative examples inspired by real control problems. The main concepts are then introduced and explored in a more formal and concise manner using

standard control-domain-related terminology. Part II demonstrates methods for applying ADRC in practice through software-based implementation. Utilizing laboratory testbeds to mimic real control problems from process and control areas, the authors illustrate the use of software through both model-based environments - including MATLAB/Simulink - and low-level C programming language. Common issues that one can encounter when implementing controllers in the real world are also examined, and specific solutions to these problems are offered that retain the simplicity of ADRC. This book can be used as a textbook, handbook, or reference manual, and through its many entry points, can be easily picked up by students, practitioners, and scientists. Having in mind its introductory nature, the prerequisites for studying the considered subject are intentionally not very strict. Readers should have at least basic knowledge of systems and controls, as well as an understanding of core mathematical concepts of calculus, linear algebra, and differential equations.