1.	Record Nr.	UNINA9910811269903321
	Autore	Durand-Charre Madeleine
	Titolo	Damascus and pattern-welded steels : forging blades since the iron age / / Madeleine Durand-Charre
	Pubbl/distr/stampa	Les Ulis, France : , : EDP Sciences, , [2014] ©2014
	ISBN	2-7598-1635-4
	Descrizione fisica	1 online resource (223 p.)
	Collana	Science des matériaux
	Disciplina	682
	Soggetti	Blacksmithing Forge welding Knives
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Description based upon print version of record.
	Nota di bibliografia	Includes bibliographical references and index.
	Nota di contenuto	""Table of contents""; ""Introduction""; ""Aknowledgements""; ""First part : The Blacksmitha€?s steel spanning four millennia""; ""1 Primitive iron""; ""2 Blacksmith steel before the Christian era""; ""3 The swords of the first millennium AD""; ""4 Did you say Damascus steel, Damascene or damask ?""; ""5 From swords to knives""; ""6 The swords of the second millennium""; ""7 Art and Technology in the third millennium""; ""Second part : Formation of the damask pattern""; ""8 Understanding steels""; ""9 Pattern-welding""; ""10 Moire pattern in wootz type, high carbon steels"" ""11 Alignments in medium carbon steels""""12 References""; ""13 Index""
	Sommario/riassunto	Steels are a class of materials with multiple and complicated transformations; this is true even for steels of the basic cutlery industry. A damascus steel is a fascinating subject to study, rich in multiple facets, that appears in a rst approach as a composite material artistically exploited. Damacus steel was developed in the rst millennium AD in India or Sri-Lanka. Its reputation is related to its exceptional properties and to the moire pattern. A similar damask pattern could be obtained by forge-welding giving rise to controversies. Recent ndings allow a better understanding of this

pattern formation. This book presents rstly, observations of ancient blade samples examined with modern technologies such as electron microscopy. The features of many typical swords from different periods are discussed: Celtic, Merovingian, Viking and oriental wootz swords, Persian shamshirs, Japanese katana, rapiers etc. In the second part, microstructural observations at different levels of magnication are displayed and their interpretation is discussed in detail, thus revealing the secret of sophisticated forgings. One chapter is devoted to introducing the main transformations undergone by these steels during the forging processes. The book is intended for all those people interested in the history of science and more specically to the metallurgists, to the archaeologists and all the researchers confronted with the problems of the expertise of the vestiges, to the blacksmiths, and to the collectors of valuable artistic blades.

2.	Record Nr.	UNINA9911049195803321
	Autore	Wang Jinting
	Titolo	Fundamentals of Queueing-Game Models / / by Jinting Wang
	Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2026
	ISBN	981-9502-61-6
	Edizione	[1st ed. 2026.]
	Descrizione fisica	1 online resource (592 pages)
	Collana	Mathematics and Statistics Series
	Disciplina	519.23
	Soggetti	Stochastic processes
		Stochastic models
		Operations research
		Management science
		Financial risk management
		Business logistics
		Stochastic Processes
		Stochastic Modelling
		Operations Research, Management Science
		Operations Research and Decision Theory
		Risk Management
		Supply Chain Management
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa

Livello bibliografico	Monografia
Nota di contenuto	Foreword -- Preface -- Chapter 1 Preliminaries -- Chapter 2 Observable Queueing Systems -- Chapter 3 Unobservable Queueing Systems -- Chapter 4 Optimal Disclosure of Information -- Chapter 5 Queueing-Game with Risk-Sensitive Customers -- Chapter 6 Priority Queueing Systems -- Chapter 7 Repairable Queueing Systems -- Chapter 8 Vacation Queueing Systems -- Chapter 9 Retrial Queueing Systems -- Chapter 10 Applications in Wireless Communication -- Chapter 11 Applications in Service-Inventory Systems -- Chapter 12 Healthcare Systems.
Sommario/riassunto	This book provides an in-depth study of queueing game models, involving interdisciplinary fields such as queueing theory, game theory, optimization theory, statistics, and economics. Studies on queueing-game models have attracted scientists and engineers from various disciplines, and these studies have potential applications to various management issues arising from service science, management science, marketing science, transportation science, operations research, finance and economics, which are concerned with behavioral studies of customers, service providers, administration agencies, and other human beings. These studies focus on characterizing and analyzing the essential features of endogenous noncooperative and cooperative games between different roles in different settings of service systems. Pursuing a holistic approach, the book establishes a fundamental framework for queueing-game models, while emphasizing the importance of integrated analysis and the significant influence of queueing games in the design and optimization of diverse service systems. The book is intended for undergraduate and graduate students as well as researchers who are interested in queueing-game models and their applications in practice.