1.	Record Nr.	UNINA9910778555103321
	Autore	Rasskin-Gutman Diego
	Titolo	Chess Metaphors : Artificial Intelligence and the Human Mind / / Diego Rasskin-Gutman ; Translated by Deborah Klosky
	Pubbl/distr/stampa	Cambridge, Mass., : MIT Press, ©2009 ©2009
	ISBN	0-262-25842-0 1-282-69474-X 9786612694745 0-262-25915-X
	Descrizione fisica	1 online resource (229 p.)
	Classificazione	08.36
	Disciplina	794.101/9
	Soggetti	Chess - Psychological aspects
	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	Contents; Foreword; Preface; 1 The Human Brain: Metaphor Maker; 2 The Human Mind: Metaphor of the World; 3 Artificial Intelligence: Silicon Metaphors; 4 The Complete Metaphor: Chess and Problem Solving; 5 Chess Metaphors: Searches and Heuristics; Appendixes; A The Rudiments of Chess; B Chess Programs and Other Tools; Bibliography; Index
	Sommario/riassunto	When we play the ancient and noble game of chess, we grapple with ideas about honesty, deceitfulness, bravery, fear, aggression, beauty, and creativity, which echo (or allow us to depart from) the attitudes we take in our daily lives. Chess is an activity in which we deploy almost all our available cognitive resources; therefore, it makes an ideal laboratory for investigation into the workings of the mind. Indeed, research into artificial intelligence (AI) has used chess as a model for intelligent behavior since the 1950s. In Chess Metaphors, Diego Rasskin-Gutman explores fundamental questions about memory, thought, emotion, consciousness, and other cognitive processes through the game of chess, using the moves of thirty-two pieces over sixty-four squares to map the structural and functional organization of the brain. Rasskin-Gutman focuses on the cognitive task of problem

solving, exploring it from the perspectives of both biology and AI. Examining AI researchers' efforts to program a computer that could beat a flesh-and-blood grandmaster (and win a world chess championship), he finds that the results fall short when compared to the truly creative nature of the human mind.

2.	Record Nr.	UNINA9910817586103321
	Autore	Suh C. Steve
	Titolo	Control of cutting vibration and machining instability : a time-frequency approach for precision, micro and nano machining / / C. Steve Suh and Meng-Kun Liu
	Pubbl/distr/stampa	Chichester, West Sussex, U.K., : John Wiley & Sons, Inc., 2013
	ISBN	9781118402788
		1118402782
		9781118402795
		1118402790
		9781118402764
		1118402766
	Edizione	[1st ed.]
	Descrizione fisica	1 online resource (262 p.)
	Altri autori (Persone)	LiuMeng-Kun
	Disciplina	671.3/5
	Soggetti	Cutting - Vibration
		Machine-tools - Vibration
		Machining
		Machinery, Dynamics of
		Time-series analysis
		Microtechnology
		Nanotechnology
	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	Cutting Dynamics and Machining Instability -- Basic Physical Principles -- Adaptive Filters and Filtered-x LMS Algorithm -- Time-Frequency Analysis -- Wavelet Filter Banks -- Temporal and Spectral

Characteristics of Dynamic Instability -- Simultanous Time-Frequency Control of Dynamic Instability -- Time-Frequency Control of Milling Instability and Chatter at High Speed -- Multi-Dimensional Time-Frequency Control of Micro-Milling Instability -- Time-Frequency Friction Induced Instability -- Synchronization of Chaos in Simultaneous Time-Frequency Domain -- Appendix.

| Sommario/riassunto | Presents new developments on machine tool vibration control based on discontinuous dynamical systems Machining instability is a topical area, and there are a wide range of publications that cover the topic. However, many of these previous studies have started by assuming that the behavior of the system can be linearised. Meanwhile, there are many recent advances in the fields of signal processing, nonlinear dynamics, and nonlinear control, all of which are relevant to the machining stability problem. This book establishes the fundamentals of cutting mechanics and machine tool |