1.	Record Nr.	UNINA9910792296203321
	Autore	Guenther Robin
	Titolo	Sustainable healthcare architecture [[electronic resource] /] / Robin Guenther, Gail Vittori
	Pubbl/distr/stampa	Hoboken, N.J., : John Wiley & Sons, Inc., 2013
	ISBN	1-118-41611-2
		1-118-41865-4
	Edizione	[2nd ed.]
	Descrizione fisica	1 online resource (482 p.)
	Collana	Wiley Series in Sustainable Design
	Classificazione	ARC018000
	Altri autori (Persone)	VittoriGail
	Disciplina	725/.51
	Soggetti	Hospital architecture - Environmental aspects
		Health facilities - Design and construction - Environmental aspects
		Sustainable architecture
	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	pt. 1. Context -- pt. 2. Actualizing the vision -- pt. 3. Sustainable healthcare today -- pt. 4. Visioning the future.
	Sommario/riassunto	"Written by two national leaders in sustainable design, a principal at Perkins + Will and a former chair of the board of USGBC, this is the key guide to designing sustainable health care facilities. Fully updated with the latest sustainable design information, new project case studies, and performance metrics LEED for Healthcare (new in 20II) and the online Green Guide for Health Care, the book covers hospitals, ambulatory care, wellness centers, subacute care, and rehabilitation centers. It also includes a number of new guest contributor essays on sustainable design topics specific to healthcare facilities"--

2.	Record Nr.	UNINA9911019903203321
	Autore	Belytschko Ted
	Titolo	Meshfree and Particle Methods : Fundamentals and Applications
	Pubbl/distr/stampa	Newark : , : John Wiley & Sons, Incorporated, , 2023 ©2024
	ISBN	9781119811138 1119811139 9781119811145 1119811147
	Edizione	[1st ed.]
	Descrizione fisica	1 online resource (349 pages)
	Altri autori (Persone)	ChenJ. S HillmanMichael
	Disciplina	518.2
	Soggetti	Meshfree methods (Numerical analysis) Particle methods (Numerical analysis)
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Nota di contenuto	Cover -- Title Page -- Copyright Page -- Contents -- Preface -- Glossary of Notation -- Chapter 1 Introduction to Meshfree and Particle Methods -- 1.1 Definition of Meshfree Method -- 1.2 Key Approximation Characteristics -- 1.3 Meshfree Computational Model -- 1.4 A Demonstration of Meshfree Analysis -- 1.5 Classes of Meshfree Methods -- 1.6 Applications of Meshfree Methods -- References -- Chapter 2 Preliminaries: Strong and Weak Forms of Diffusion, Elasticity, and Solid Continua -- 2.1 Diffusion Equation -- 2.1.1 Strong Form of the Diffusion Equation -- 2.1.2 The Variational Principle for the Diffusion Equation -- 2.1.2.1 The Standard Variational Principle -- 2.1.2.2 The Variational Equation -- 2.1.2.3 Equivalence of the Variational Equation and the Strong Form -- 2.1.3 Constrained Variational Principles for the Diffusion Equation -- 2.1.3.1 The Penalty Method -- 2.1.3.2 The Lagrange Multiplier Method -- 2.1.3.3 Nitsche's Method -- 2.1.4 Weak Form of the Diffusion Equation by the Method of Weighted Residuals -- 2.2 Elasticity -- 2.2.1 Strong Form of Elasticity -- 2.2.2 The Variational Principle for Elasticity -- 2.2.3 Constrained Variational

Principles for Elasticity

Sommario/riassunto	This book provides an in-depth exploration of meshfree and particle methods, which are advanced numerical techniques used in computational mechanics. It covers the fundamental principles and applications of these methods, including the construction and analysis of meshfree computational models. The authors discuss various approximation techniques such as the Moving Least Squares (MLS) and Reproducing Kernel approximations, and their applications in solving partial differential equations. The book also addresses the challenges of numerical integration and stability in meshfree methods, presenting solutions like nodal integration and stabilization techniques. Intended for researchers and practitioners in numerical analysis and computational mechanics, this text serves as a comprehensive resource for understanding and implementing meshfree and particle methods.