1.	Record Nr.	UNINA9910454691303321
	Titolo	Behavioral modeling and simulation [[electronic resource]] : from individuals to societies / / Committee on Organizational Modeling: From Individuals to Societies ; Greg L. Zacharias, Jean MacMillan, and Susan B. Van Hemel, editors ; Board on Behavior, Cognitive, and Sensory Sciences, Division of Behavioral and Social Sciences and Education
	Pubbl/distr/stampa	Washington, D.C., : National Academies Press, c2008
	ISBN	1-281-72674-5 9786611726744 0-309-11863-8
	Descrizione fisica	xviii, 403 p. : ill., maps
	Altri autori (Persone)	ZachariasGreg MacMillanJean Van HemelSusan B
	Disciplina	355.001/9
	Soggetti	Psychology, Military Sociology, Military Human behavior - Simulation methods Organizational behavior - Simulation methods Electronic books.
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Bibliographic Level Mode of Issuance: Monograph
	Nota di bibliografia	Includes bibliographical references.
	Nota di contenuto	pt. 1. Background and need for organizational models -- pt. 2. State of the art in organizational modeling -- pt. 3. Addressing unmet modeling needs.

2.	Record Nr.	UNINA9910254120703321
	Titolo	Thermo-Hydro-Mechanical-Chemical Processes in Fractured Porous Media: Modelling and Benchmarking : Benchmarking Initiatives / / edited by Olaf Kolditz, Uwe-Jens Görke, Hua Shao, Wenqing Wang, Sebastian Bauer
	Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016
	ISBN	3-319-29224-2
	Edizione	[1st ed. 2016.]
	Descrizione fisica	1 online resource (245 p.)
	Collana	Terrestrial Environmental Sciences, , 2363-6181
	Disciplina	550
	Soggetti	Geology—Statistical methods Computer simulation Hydrogeology Geotechnical engineering Fossil fuels Environmental sciences Quantitative Geology Simulation and Modeling Geotechnical Engineering & Applied Earth Sciences Fossil Fuels (incl. Carbon Capture) Environmental Physics
	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	Benchmarking Initiatives -- Thermal Processes -- Flow Processes -- Deformation processes -- Variable Density Flow -- Multiphase Flow -- Hydro-Mechanical (Consolidation) Processes -- Thermomechanics -- Coupled THM-Processes -- Reactive Transport -- Mechanical-Chemical (MC) Processes -- THC Processes in Energy Systems.
	Sommario/riassunto	This book presents a new suite of benchmarks for and examples of porous media mechanics collected over the last two years. It continues the assembly of benchmarks and examples for porous media mechanics published in 2014. The book covers various applications in

the geosciences, geotechnics, geothermal energy, and geological waste deposition. The analysis of thermo-hydro-mechanical-chemical (THMC) processes is essential to many applications in environmental engineering, such as geological waste deposition, geothermal energy utilisation, carbon capture and storage, water resources management, hydrology, and even climate change. In order to assess the feasibility and safety of geotechnical applications, process-based modelling is the only tool that can effectively quantify future scenarios, a fact which also creates a huge burden of responsibility concerning the reliability of computational tools. The book shows that benchmarking offers a suitable methodology for verifying the quality of modelling tools based on best practices, and together with code comparison fosters community efforts. It also provides a brief introduction to the DECOVALEX, SeSBench and MOMAS initiatives. This benchmark book is part of the OpenGeoSys initiative – an open source project designed to share knowledge and experience in environmental analysis and scientific computation.