

1. Record Nr.	UNISA996418443503316
Autore	Battimelli Giovanni
Titolo	Computer Meets Theoretical Physics [[electronic resource] ] : The New Frontier of Molecular Simulation / / by Giovanni Battimelli, Giovanni Ciccotti, Pietro Greco
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-39399-2
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (214 pages)
Collana	The Frontiers Collection, , 1612-3018
Disciplina	530
Soggetti	Physics Chemistry, Physical and theoretical Computer simulation Sociophysics Econophysics Numerical and Computational Physics, Simulation History and Philosophical Foundations of Physics Theoretical and Computational Chemistry Popular Science in Physics Simulation and Modeling Data-driven Science, Modeling and Theory Building
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	A new science -- The origins of simulation -- The growth of molecular dynamics -- Molecular simulation lands in Europe -- CECAM and the development of molecular simulation -- Simulation comes of age -- Quantum systems and critical phenomena -- A first finishing line and some provisional conclusions.
Sommario/riassunto	This book provides a vivid account of the early history of molecular simulation, a new frontier for our understanding of matter that was opened when the demands of theoretical physicists were met by the availability of the modern computers. Since their inception, electronic computers have enormously increased their performance, thus making

possible the unprecedented technological revolution that characterizes our present times. This obvious technological advancement has brought with it a silent scientific revolution in the practice of theoretical physics. In particular, in the physics of matter it has opened up a direct route from the microscopic physical laws to observable phenomena. One can now study the time evolution of systems composed of millions of molecules, and simulate the behaviour of macroscopic materials and actually predict their properties. Molecular simulation has provided a new theoretical and conceptual tool that physicists could only dream of when the foundations of statistical mechanics were laid. Molecular simulation has undergone impressive development, both in the size of the scientific community involved and in the range and scope of its applications. It has become the ubiquitous workhorse for investigating the nature of complex condensed matter systems in physics, chemistry, materials and the life sciences. Yet these developments remain largely unknown outside the inner circles of practitioners, and they have so far never been described for a wider public. The main objective of this book is therefore to offer a reasonably comprehensive reconstruction of the early history of molecular simulation addressed to an audience of both scientists and interested non-scientists, describing the scientific and personal trajectories of the main protagonists and discussing the deep conceptual innovations that their work produced.

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2. Record Nr.	UNINA9910741396703321
Autore	Sarigil Zeki
Titolo	How Informal Institutions Matter : Evidence from Turkish Social and Political Spheres
Pubbl/distr/stampa	Ann Arbor : , : University of Michigan Press, , 2023 ©2023
ISBN	0-472-90377-2
Edizione	[1st ed.]
Descrizione fisica	1 online resource (217 pages)
Disciplina	306.09561
Soggetti	Social institutions - Turkey Islam and politics - Turkey Ethnicity - Turkey Turkey Social conditions 1960- Turkey Politics and government 1909-
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Foreword: The Importance of Informal Institutions and Norms -- Acknowledgments -- 1. Introduction -- 2. Conceptual and Theoretical Framework -- 3. A Symbiotic Informal Institution: Religious Marriage in Turkey -- 4. A Superseding Informal Institution: Cem Courts -- 5. A Layered Informal Institution: Religious Minority Holidays in Turkey -- 6. A Subversive Informal Institution: Multilingual Municipalism of the Kurdish Movement -- 7. Conclusions and Implications -- Bibliography -- Index.
Sommario/riassunto	In How Informal Institutions Matter, Zeki Sarigil examines the role of informal institutions in sociopolitical life and addresses the following questions: Why and how do informal institutions emerge? To ask this differently, why do agents still create or resort to informal institutions despite the presence of formal institutional rules and regulations? How do informal institutions matter? What roles do they play in sociopolitical life? How can we classify informal institutions? What novel types of informal institutions can we identify and explain? How do informal institutions interact with formal institutions? How do they shape formal institutional rules, mechanisms and outcomes? Finally, how do existing

informal institutions change? What factors might trigger informal institutional change? In order to answer these questions, Sarigil examines several empirical cases of informal institution as derived from various issue areas in the Turkish sociopolitical context (i.e., civil law, conflict resolution, minority rights, and local governance) and from multiple levels (i.e., national and local).

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