

1. Record Nr.	UNISA996565872003316
Titolo	Formal Methods for an Informal World : ICTAC 2021 Summer School, Virtual Event, Astana, Kazakhstan, September 1-7, 2021, Tutorial Lectures // Antonio Cerone, editors
Pubbl/distr/stampa	Cham, Switzerland : , : Springer, , [2023] ©2023
ISBN	3-031-43678-4
Edizione	[First edition.]
Descrizione fisica	1 online resource (180 pages)
Collana	Lecture Notes in Computer Science Series ; ; Volume 13490
Disciplina	005.3
Soggetti	Formal methods (Computer science)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Modelling Interactions: Digital and Physical -- Modelling and Analysing Cognition and Interaction -- Object-Centric Process Mining: An Introduction -- Model-based engineering for robotics with RoboChart and RoboTool -- Formal Methods Adoption in Industry: An Experience Report -- Security Research: Program Analysis Meets Security.
Sommario/riassunto	This volume includes six lectures given at the ICTAC (International Colloquium on Theoretical Aspects of Computing) School on Formal Methods for an Informal World, held on September 1-7, 2021, originally scheduled to take place in Astana but held in virtual mode due to the pandemic. The school addressed the use of formal methods at various levels of rigour in different application domains: human-computer interaction, cognitive science, business process management, robotics, and healthcare. The emphasis of the school was on practical applications in which formal methods provide unambiguous descriptions of the real world that facilitate understanding and formal and informal analysis. The target audience consists of graduate students, young researchers and industrial practitioners, from both computer science and other fields that make use of computational methods.