1. Record Nr. UNISA996472069303316

Autore	Koodziej Joanna
Titolo	Cybersecurity of digital service chains : challenges, methodologies, and tools / / editors, Joanna Koodziej, Matteo Repetto, Armend Duzha
Pubbl/distr/stampa	Cham, : Springer International Publishing AG, 2022
ISBN	3-031-04036-8
Descrizione fisica	1 online resource (xi, 257 pages) : illustrations (chiefly color)
Collana	Lecture notes in computer science ; v.13300
Altri autori (Persone)	RepettoMatteo DuzhaArmend
Soggetti	Business - Data processing - Security measures Computer networks - Security measures
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di contenuto	A Reference Architecture for Management of Security Operations in Digital Service Chains Efficient flow monitoring in digital services Intelligent Transportation Systems models, challenges, security aspects NAD: Machine Learning based Component for Unknown Attack Detection in Network Traffic Detecting unknown attacks through system behavior analysis Signature-based detection of botnet DDoS attacks Automatic Attack Pattern Mining for Generating Actionable CTI Applying Alert Aggregation Blockchain-based task and information management in computational cloud systems
Sommario/riassunto	This open access book presents the main scientific results from the H2020 GUARD project. The GUARD project aims at filling the current technological gap between software management paradigms and cybersecurity models, the latter still lacking orchestration and agility to effectively address the dynamicity of the former. This book provides a comprehensive review of the main concepts, architectures, algorithms, and non-technical aspects developed during three years of investigation; the description of the Smart Mobility use case developed at the end of the project gives a practical example of how the GUARD platform and related technologies can be deployed in practical scenarios. We expect the book to be interesting for the broad group of researchers, engineers, and professionals daily experiencing the

		inadequacy of outdated cybersecurity models for modern computing environments and cyber-physical systems.

2.	Record Nr.	UNINA9910299982303321
	Titolo	Perspectives in computational complexity : the Somenath Biswas anniversary volume / / edited by Manindra Agrawal, Vikraman Arvind
	Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Birkhäuser, , 2014
	ISBN	3-319-05446-5
	Edizione	[1st ed. 2014.]
	Descrizione fisica	1 online resource (206 p.)
	Collana	Progress in Computer Science and Applied Logic, , 2297-0576 ; ; 26
	Disciplina	511.3 511.3/6 511.352
	Soggetti	Logic, Symbolic and mathematical Computer science - Mathematics Mathematical Logic and Foundations Computational Science and Engineering Mathematical Logic and Formal Languages
	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 at the end of each chapters.
	Nota di contenuto	Preface -- 1. Complexity Theory Basics: NP and NL (Vikraman Arvind) -- 2. Investigations Concerning the Structure of Complete Sets (Eric Allender) -- 3. Space Complexity of the Directed Reachability Problem Over Surface-embedded Graphs (N.V. Vinodchandran) -- 4. Algebraic Complexity Classes (Meena Mahajan) -- 5. A Selection of Lower Bound Results for Arithmetic Circuits (Neeraj Kayal and Ramprasad Saptharishi) -- 6. Explicit Tensors (Markus Bläser) -- 7. Progress on Polynomial Identity Testing (Nitin Saxena) -- 8. Malod and the Pascaline (Bruno Poizat) -- 9. A Tutorial in Time and Space Bounds for Tree-like Resolution (Jacobo Torán) -- 10. An Entropy Based Proof for the Moore Bound for Irregular Graphs (S. Ajesh Babu and Jaikumar Radharishnan) -- 11. Permutation Groups and the Graph Isomorphism Problem

(Sumanta Ghosh and Piyush P. Kurur).

Sommario/riassunto

This book brings together contributions by leading researchers in computational complexity theory written in honor of Somenath Biswas on the occasion of his sixtieth birthday. They discuss current trends and exciting developments in this flourishing area of research and offer fresh perspectives on various aspects of complexity theory. The topics covered include arithmetic circuit complexity, lower bounds and polynomial identity testing, the isomorphism conjecture, space-bounded computation, graph isomorphism, resolution and proof complexity, entropy and randomness. Several chapters have a tutorial flavor. The aim is to make recent research in these topics accessible to graduate students and senior undergraduates in computer science and mathematics. It can also be useful as a resource for teaching advanced level courses in computational complexity.