

1. Record Nr.	UNISA996546841303316
Autore	Hewage Chaminda
Titolo	Data Protection in a Post-Pandemic Society [[electronic resource] ] : Laws, Regulations, Best Practices and Recent Solutions // edited by Chaminda Hewage, Yogachandran Rahulamathavan, Deepthi Ratnayake
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2023
ISBN	3-031-34006-X
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (246 pages)
Altri autori (Persone)	RahulamathavanYogachandran RatnayakeDeepthi
Disciplina	005.8 323.448
Soggetti	Data protection—Law and legislation Data protection Financial risk management Privacy Data and Information Security Risk Management
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter. 1. Post-Covid-19 Metaverse Cybersecurity and Data Privacy- Present and Future Challenges -- Chapter. 2. Keeping it Low-Key: Modern-day approaches to Privacy-Preserving Machine Learning -- Chapter. 3. Security Analysis of Android Hot Cryptocurrency Wallet Applications -- Chapter. 4. Exploring the Opportunities of Applying Digital Twins for Intrusion Detection in Industrial Control Systems of Production and Manufacturing – A Systematic Review -- Chapter. 5. Securing Privacy During a World Health Emergency: Exploring How to Create a Balance Between the Need to Save the World and People's Right to Privacy -- Chapter. 6. Federated Learning: Data privacy and cyber security in edge-based machine learning Mobile Malware Detection Using Consortium -- Chapter. 7. Emerging Computer Security Laws and Regulations across the Globe: A Comparison between Sri Lankan and Contemporary International Computer Acts -- Chapter.

## 8. Legal Considerations and Ethical Challenges of Artificial Intelligence on Internet of Things and Smart Cities.

### Sommario/riassunto

This book offers the latest research results and predictions in data protection with a special focus on post-pandemic society. This book also includes various case studies and applications on data protection. It includes the Internet of Things (IoT), smart cities, federated learning, Metaverse, cryptography and cybersecurity. Data protection has burst onto the computer security scene due to the increased interest in securing personal data. Data protection is a key aspect of information security where personal and business data need to be protected from unauthorized access and modification. The stolen personal information has been used for many purposes such as ransom, bullying and identity theft. Due to the wider usage of the Internet and social media applications, people make themselves vulnerable by sharing personal data. This book discusses the challenges associated with personal data protection prior, during and post COVID-19 pandemic. Some of these challenges are caused by the technological advancements (e.g., Artificial Intelligence (AI)/Machine Learning (ML) and ChatGPT). In order to preserve the privacy of the data involved, there are novel techniques such as zero knowledge proof, fully homomorphic encryption, multi-party computations are being deployed. The tension between data privacy and data utility drive innovation in this area where numerous start-ups around the world have started receiving funding from government agencies and venture capitalists. This fuels the adoption of privacy-preserving data computation techniques in real application and the field is rapidly evolving. Researchers and students studying/working in data protection and related security fields will find this book useful as a reference. .

2. Record Nr.	UNINA9910143643603321
Titolo	Handbook of industrial mixing : science and practice / / edited by Edward L. Paul, Victor A. Atiemo-Obeng, Suzanne M. Kresta
Pubbl/distr/stampa	Hoboken, N.J., : Wiley-Interscience, c2004
ISBN	9786610365623 9781280365621 1280365625 9780470351413 0470351411 9780471451440 0471451444 9781601194145 1601194145 9780471451457 0471451452
Edizione	[1st ed.]
Descrizione fisica	1 online resource (1450 p.)
Altri autori (Persone)	PaulEdward L Atiemo-ObengVictor A KrestaSuzanne M
Disciplina	660/.284292
Soggetti	Mixing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Sponsored by the North American Mixing Forum."
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	HANDBOOK OF INDUSTRIAL MIXING; CONTENTS; Contributors; Introduction; Mixing in Perspective; Scope of Mixing Operations; Residence Time Distributions: Chapter 1; Mixing Fundamentals: Chapters 1-5; Mixing Equipment: Chapters 6, 7, 8, and 21; Miscible Liquid Blending: Chapters 3, 7, 9, and 16; Solid-Liquid Suspension: Chapters 10, 17, and 18; Gas-Liquid Contacting: Chapter 11; Liquid-Liquid Mixing: Chapter 12; Mixing and Chemical Reactions/Reactor Design: Chapters 13 and 17; Heat Transfer and Mixing: Chapter 14; Specialized Topics for Various Industries: Chapters 15-20 Conversations Overheard in a Chemical PlantThe Problem; Competitive-

Consecutive Reaction; Gas-Liquid Reaction; Solid-Liquid Reaction; Liquid-Liquid Reaction; Crystallization; Using the Handbook; Diagnostic Charts; Mixing Nomenclature and Unit Conversions; Acknowledgments; References; 1 Residence Time Distributions; 1-1 Introduction; 1-2 Measurements and Distribution Functions; 1-3 Residence Time Models of Flow Systems; 1-3.1 Ideal Flow Systems; 1-3.2 Hydrodynamic Models; 1-3.3 Recycle Models; 1-4 Uses of Residence Time Distributions; 1-4.1 Diagnosis of Pathological Behavior 1-4.2 Damping of Feed Fluctuations 1-4.3 Yield Prediction; 1-4.4 Use with Computational Fluid Dynamic Calculations; 1-5 Extensions of Residence Time Theory; Nomenclature; References; 2 Turbulence in Mixing Applications; 2-1 Introduction; 2-2 Background; 2-2.1 Definitions; 2-2.2 Length and Time Scales in the Context of Turbulent Mixing; 2-2.3 Relative Rates of Mixing and Reaction: The Damkoehler Number; 2-3 Classical Measures of Turbulence; 2-3.1 Phenomenological Description of Turbulence; 2-3.2 Turbulence Spectrum: Quantifying Length Scales 2-3.3 Scaling Arguments and the Energy Budget: Relating Turbulence Characteristics to Operating Variables 2-4 Dynamics and Averages: Reducing the Dimensionality of the Problem; 2-4.1 Time Averaging of the Flow Field: The Eulerian Approach; 2-4.2 Useful Approximations; 2-4.3 Tracking of Fluid Particles: The Lagrangian Approach; 2-4.4 Experimental Measurements; 2-5 Modeling the Turbulent Transport; 2-5.1 Time-Resolved Simulations: The Full Solution; 2-5.2 Reynolds Averaged Navier-Stokes Equations: An Engineering Approximation 2-5.3 Limitations of Current Modeling: Coupling between Velocity, Concentration, Temperature, and Reaction Kinetics 2-6 What Have We Learned?; Nomenclature; References; 3 Laminar Mixing: A Dynamical Systems Approach; 3-1 Introduction; 3-2 Background; 3-2.1 Simple Mixing Mechanism: Flow Reorientation; 3-2.2 Distinctive Properties of Chaotic Systems; 3-2.3 Chaos and Mixing: Some Key Contributions; 3-3 How to Evaluate Mixing Performance; 3-3.1 Traditional Approach and Its Problems; 3-3.2 Measuring Microstructural Properties of a Mixture; 3-3.3 Study of Microstructure: A Brief Review 3-4 Physics of Chaotic Flows Applied to Laminar Mixing

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## Sommario/riassunto

Handbook of Industrial Mixing will explain the difference and uses of a variety of mixers including gear mixers, top entry mixers, side entry mixers, bottom entry mixers, on-line mixers, and submerged mixers. The Handbook discusses the trade-offs among various mixers, concentrating on which might be considered for a particular process. Handbook of Industrial Mixing explains industrial mixers in a clear concise manner, and also:

- \* Contains a CD-ROM with video clips showing different type of mixers in action and a overview of their uses.
- \* Gives practical insights by the top professional in

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3. Record Nr.	UNIORUON00261931
Autore	Miani, Franca
Titolo	Globalizzazione metropolitana : temi e problemi di organizzazione territoriale e pianificazione urbana / Franca Miani
Pubbl/distr/stampa	Parma, : Azzali, 2004
Edizione	[Nuova edizione]
Descrizione fisica	398 p. ; 24 cm.
Soggetti	Pianificazione urbanistica
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia