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Titolo	Application s of design for manufacturing : presented at The 1998 ASME International mechanical engineering congress and exposition : november 15-20, 1998 : Anheim, California / sponsored by The design engineering division, ASME ; The manufacturing engineering division, ASME ; edited by Samir B. Billatos ; Byoung Sung Kim
Pubbl/distr/stampa	New York : The american society of mechanical engineers, copyr. 1998
ISBN	0-7918-1601-X
Descrizione fisica	V, 94 p. ; 32 cm
Disciplina	670.427
Soggetti	Aziende manifatturiere - Innovazione tecnologica
Collocazione	670.427 APP
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
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Autore	Zhu Dan
Titolo	Privacy-Preserving Techniques with e-Healthcare Applications / / by Dan Zhu, Dengguo Feng, Xuemin (Sherman) Shen
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2024
ISBN	9783031769221 3031769228
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (184 pages)
Collana	Wireless Networks, , 2366-1445
Altri autori (Persone)	FengDengguo ShenXuemin (Sherman)
Disciplina	621.382
Soggetti	Telecommunication Medical informatics Computational intelligence Communications Engineering, Networks Health Informatics Computational Intelligence
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introduction -- An Overview of e-Healthcare -- Privacy-Preserving and Machine-Learning Techniques -- Privacy-Preserving Similar Patient Query Services over Genomic Data -- Privacy-Preserving Similarity Retrieval Services over Medical Images -- Privacy-Preserving Pre-diagnosis Services over Single-label Medical Records -- Privacy-Preserving Pre-diagnosis Services over Multi-label Medical Records -- Future Works -- Conclusion.
Sommario/riassunto	This book investigates novel accurate and efficient privacy-preserving techniques and their applications in e-Healthcare services. The authors first provide an overview and a general architecture of e-Healthcare and delve into discussions on various applications within the e-Healthcare domain. Simultaneously, they analyze the privacy challenges in e-Healthcare services. Then, in Chapter 2, the authors give a comprehensive review of privacy-preserving and machine learning techniques applied in their proposed solutions. Specifically, Chapter 3 presents an efficient and privacy-preserving similar patient query

scheme over high-dimensional and non-aligned genomic data; Chapter 4 and Chapter 5 respectively propose an accurate and privacy-preserving similar image retrieval scheme and medical pre-diagnosis scheme over dimension-related medical images and single-label medical records; Chapter 6 presents an efficient and privacy-preserving multi-disease simultaneous diagnosis scheme over medical records with multiple labels. Finally, the authors conclude the monograph and discuss future research directions of privacy-preserving e-Healthcare services in Chapter 7. Studies the issues and challenges of privacy-preserving techniques applied in e-Healthcare services; Focuses on common and distinctive medical data, investigating accurate e-Healthcare services with privacy preservation; Proposes solutions with proof-of-concept prototypes, tested on real and simulated datasets.