1. Record Nr.   UNINA9911066102603321

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   Titolo   Computing Science, Communication and Security : 6th International Conference, COMS2 2025, Mehsana, Gujarat, India, September 12–13, 2025, Proceedings / / edited by Nirbhay Chaubey, Sabu M. Thampi, Noor Zaman Jhanjhi, Satyen Parikh, Kiran Amin

   Pubbl/distr/stampa Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2026

   ISBN   3-032-16038-3

   Edizione   [1st ed. 2026.]

   Descrizione fisica 1 online resource (564 pages)

   Collana   Communications in Computer and Information Science, , 1865-0937 ; ; 2849

   Disciplina   006.3

   Soggetti   Artificial intelligence
                      Software engineering
                      Computer engineering
                      Computer networks
                      Artificial Intelligence
                      Software Engineering
                      Computer Engineering and Networks

   Lingua di pubblicazione   Inglese

   Formato   Materiale a stampa

   Livello bibliografico   Monografia

   Nota di contenuto -- Network and Communication Security. -- Game-Theoretic and Formal Approaches to Securing Non-Human Accounts in Identity and Access Management. -- IoT-Based Automated Irrigation with Machine Learning for Crop Recommendation, Soil Classification, and Disease Detection. -- Image Steganalysis using Siamese Contrastive Learning Network and Pix2Pix GAN with Linear Predictive Coding. -- A Reinforcement Learning-Based Energy-Aware Hy brid Routing Protocol (RL-EAHR) for Enhancing Net work Lifetime, Scalability, and Resilience in Mobile Ad Hoc Networks (MANETs). -- A Generative Method for Steganography by Cover Synthesis with Secure System. -- Secure and Dynamic Routing in Mobile Ad-Hoc Networks through Cryptographic Assurance. -- Optimizing IoT Networks: Insights from Compara tive Analysis in Terrestrial and Underwater Acoustic En vironments. -- Enhancing Privacy and Security in Blockchain-Driven NFT Marketplaces

Using Zero Knowledge Proof. -- DeepXDetect: Real-Time Sandbox Malware Detection with Explainable AI. -- Optimizing Base Station Placement to Minimize Interference for Satellite Terrestrial Networks (STN). -- Grouped Photon Quantum Key Distribution: An Improvised BB84 Protocol. -- Optimized Multi-Process Computing for Efficient Multimodal Biometric Security System. -- Design, Implementation and Verification of UART with APB Slave Interface using Verilog. -- An adaptive promiscuous mode-oriented watchdog mechanism with a route rater for secure and reliable route identification in VANETs. -- Development and UVM-Based Functional Verification of a Scalable & Configurable UART VIP. -- Design and Verification of a Modified Numerically Controlled Oscillator for Clock Recovery in a Digital SerDes Receiver on an FPGA. -- Computing Science. -- Behavioral Biometrics: A Comparison of Keystroke Dynamics and Mouse Trajectories for Bot Detection. -- A Chaos-Based Technique with Reversible Data Hiding for Enhanced Security of Medical Data. -- Quantum-Resistant Image Encryption Using Adaptive Signal Transform and Generative Learning. -- An Exhaustive Analysis of Machine Learning and Deep Learning for Credit Card Fraud Detection: Methodologies, Performance, and Challenges. -- Real-time Path Deviation Detection System Using Blockchain Technology for Mission Critical Applications. -- Secure Post-Quantum Authentication for Wearable Healthcare Devices. -- Optimizing GIF Steganography with Deep Learning for Superior Image Concealment. -- Deep Learning-Enhanced Boosting-Based Ensemble Model for Phishing Detection. -- Securing Collaboration: Federated Learning with Homomorphic Encryption. -- Decentralized Identity Federation Using Blockchain for Cross-Organizational Access. -- Dynamic GCN-TCN-CapsNet: A Lightweight Hybrid Model for Real-Time Gait Recognition. -- Smart Lab Optimization using Digital Twins and Ubiquitous Computing.

| Sommario/riassunto | This book constitutes the refereed proceedings of the 6th International Conference on Computing Science, Communication and Security, COMS2 2025, held at Ganpat University, Mehsana, Gujarat, India, during September 12–13, 2025. The 27 full papers and 1 short paper presented in this volume were carefully reviewed and selected from 238 submissions. They are organized into the following topical sections: Network and Communication Security; and Computing Science. |