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Knowledge with Robust Learning: Mitigating Backdoor Attacks in Federated Learning for Enhanced -- Security and Privacy -- PPAPAFL: A Novel Approach to Privacy Protection and Anti-Poisoning Attacks in Federated Learning -- Towards Retentive Proactive Defense Against DeepFakes -- A Fast and Accurate Non-Interactive Privacy-Preserving Neural Network Inference Framework.

Sommario/riassunto	This book constitutes the refereed post-conference proceedings of the 18th EAI International Conference on Tools for Design, Implementation and Verification of Emerging Information Technologies, TridentCom 2023, which was held in Nanjing, China, during November 11-13, 2023. The 9 full papers were selected from 30 submissions and deal the emerging technologies of big data, cyber-physical systems and computer communications. The papers are grouped in thematical sessions on blockchain and its applications; emerging applications; AI and its security.