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Extended Residual Neural Network -- Hardware, Software, and Application Designs -- Left Hand and Right Hand Circularly Polarized Antenna for 5G Devices -- Examination of investigation method of malware spreading state -- Improving Power Efficiency of AESA System with GaN Supply-Modulated Power Amplifier -- Smart Shoe Based on Battery-Free Bluetooth Low Energy Sensor -- Highly Reliable PUFs for Embedded Systems, Protected Against Tampering -- On Use Of Deep learning For Side Channel Evaluation of Black Box Hardware AES Engine -- A New Method for Enhancing the Software Effort Estimation by using ANFIS-based Approach A New Method to Improve Quality Predicting of Software Project Completion Level -- An Embedded Digital Multi-channel Analyzer For Radiation Detection Based on FPGA -- A Design of CMOS PUF Based on Ring Oscillator and Time-to-Digital Converter -- Information Processing and Data Analysis -- A Bufferless Non-exact Matching Hardware Accelerator For Processing Large Non-uniform Stream Data -- A new user recommendation model within the context of the Covid-19 pandemic -- Social Hybrid Reciprocal Velocity Obstacle-Based Socially Aware Mobile Robot Navigation Framework -- Proposing gesture recognition algorithm using HOG and SVM for Smart-home applications -- A Container-based Edge Computing System for Smart Healthcare Applications -- Pseudo Zero-watermarking Algorithm using Combination of Non-blind Watermarking and Visual Secret Sharing Scheme -- Post-Layout Security Evaluation Methodology Against Probing Attacks -- Combined VMD-GSO Based Points of Interest Selection Method for Profiled Side Channel Attacks -- A study on IDS based CMAC neuron network to improve the attack detection rate.

Sommario/riassunto	This book constitutes the refereed proceedings of the 7th EAI International Conference on Industrial Networks and Intelligent Systems, INISCOM 2021, held in Hanoi, Vietnam, in April 2021. The 39 full papers were selected from XX submissions and are organized thematically in tracks on telecommunications systems and networks; hardware, software and application designs; information processing and data analysis; industrial networks and intelligent systems; security and privacy.