

1. Record Nr.	UNISA996418317003316
Titolo	Embedded Computer Systems: Architectures, Modeling, and Simulation [[electronic resource]] : 20th International Conference, SAMOS 2020, Samos, Greece, July 5–9, 2020, Proceedings / / edited by Alex Orailoglu, Matthias Jung, Marc Reichenbach
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-60939-1
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (XIII, 372 p. 45 illus.)
Collana	Theoretical Computer Science and General Issues, , 2512-2029 ; ; 12471
Disciplina	004.16
Soggetti	Computer systems Computers Software engineering Computer networks Artificial intelligence Computer System Implementation Computer Hardware Software Engineering Computer Communication Networks Artificial Intelligence
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Fast Performance Estimation and Design Space Exploration of SSD Using AI Techniques -- Combining Task- and Data-level Parallelism for High-throughput CNN Inference on Embedded CPUs-GPUs MPSoCs -- AMAIX: A Generic Analytical Model for Deep Learning Accelerators -- Data Mining in System-Level Design Space Exploration of Embedded Systems -- CoPTA: Contiguous Pattern Speculating TLB Architecture -- A Fine-Granularity Image Pyramid Accelerator for Embedded Processors -- Rec2Poly: Converting Recursions to Polyhedral Optimized Loops Using an Inspector-Executor Strategy -- DRAMSys4.0: A Fast and Cycle-Accurate SystemC/TLM-Based DRAM Simulator -- Transpiling

Python to Rust for Optimized Performance -- A Fast Heuristic to Pipeline SDF Graphs -- System Simulation of Memristor Based Computation in Memory Platforms -- Compiler Optimizations for Safe Insertion of Checkpoints in Intermittently Powered Systems -- Fine-Grained Power Modeling of Multicore Processors using FFNNs -- From High-Level Synthesis to Bundled-Data Circuits -- Energy-aware Partial-Duplication Task Mapping under Real-Time and Reliability Constraints -- A Quantitative Study of Locality in GPU Caches -- SPECIAL SESSION: Innovative Architectures for Security -- CHASM: Security Evaluation of Cache Mapping Schemes -- DeePar-SCA: Breaking Parallel Architectures of Lattice Cryptography via Learning Based Side-Channel Attacks -- Profiling Dilithium Digital Signature Traces for Correlation Differential Side Channel Attacks -- S-NET: A Confusion Based Countermeasure Against Power Attacks for SBOX -- Risk and Architecture factors in Digital Exposure Notification -- SPECIAL SESSION: European Projects on Embedded and High Performance Computing for Health Applications -- Introduction to the Special Session on "European Projects on Embedded and High Performance Computing for Health Applications" -- VGM-Bench: FPU Benchmark Suite for Computer Vision, Computer Graphics and Machine Learning applications -- Decision Support Systems to Promote Health and Well-being of People of Working Age: the Case of the WorkingAge EU Project -- Technical Debt Management and Energy Consumption Evaluation in Implantable Medical Devices: The SDK4ED Approach -- Distributed Training on a Highly Heterogeneous HPC System.

Sommario/riassunto

This book constitutes the refereed proceedings of the 20th International Conference on Embedded Computer Systems: Architectures, Modeling, and Simulation, SAMOS 2020, held in Samos, Greece, in July 2020.* The 16 regular papers presented were carefully reviewed and selected from 35 submissions. In addition, 9 papers from two special sessions were included, which were organized on topics of current interest: innovative architectures for security and European projects on embedded and high performance computing for health applications. * The conference was held virtually due to the COVID-19 pandemic.

2. Record Nr.	UNINA9910819251603321
Autore	Igbinovia P. E (Patrick Edobor)
Titolo	Oil thefts and pipeline vandalization in Nigeria / / Patrick Edobor Igbinovia
Pubbl/distr/stampa	Ibadan, Nigeria : , : Safari Books Ltd, , 2014 ©2014
ISBN	978-8431-67-4
Descrizione fisica	1 online resource (270 pages) : illustrations
Disciplina	621.8672
Soggetti	Pipelines - Design and construction Gas industry - Security measures Theft - Nigeria
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Sommario/riassunto	Oil Thefts and Pipeline Vandalization in Nigeria focuses on leakages in oil revenue through thefts and vandalisation which has now become a national shame and embarrassment. The book presents a scholarly evaluation of the evolution, etiology, causes, nature, extent, characteristics, legal aspects, trends rationale and modus operandi of the phenomena in the country. This study is a substantial academic contribution to our knowledge on the subject matter for further research by social scientists and scholars, legal practitioners, law enforcement professionals, criminal justicians, corporate office.