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| 1. Record Nr.           | UNINA9910350236403321   |
| Titolo                  | Computer Engineering and Technology : 22nd CCF Conference, NCCET 2018, Yinchuan, China, August 15–17, 2018, Revised Selected Papers / / edited by Weixia Xu, Liquan Xiao, Jinwen Li, Zhenzhen Zhu   |
| Pubbl/distr/stampa      | Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2019  |
| ISBN                    | 981-13-5919-9   |
| Edizione                | [1st ed. 2019.]   |
| Descrizione fisica      | 1 online resource (X, 193 p. 117 illus., 65 illus. in color.)   |
| Collana                 | Communications in Computer and Information Science, , 1865-0937 ; ; 994   |
| Disciplina              | 004.1   |
| Soggetti                | Microprocessors<br>Computer architecture<br>Computer networks<br>Logic design<br>Computer vision<br>Processor Architectures<br>Computer Communication Networks<br>Logic Design<br>Computer Vision   |
| Lingua di pubblicazione | Inglese   |
| Formato                 | Materiale a stampa  |
| Livello bibliografico   | Monografia  |
| Nota di contenuto       | Design and Application for Sealing of Strengthening Computer for Anti-Hard Environment -- An Independent VGA Controller Based on SOPC with Three Pixel-Mapped Schemes -- An Inter-Layer-Distance based Routing Algorithm for 3D Network-on-Chip -- Impact of Temperature Characteristics on High-speed Optical Communication Modules -- A Parallel 1-D FFT Implementation Method for Multi-Core Vector Processors -- The Analysis and Countermeasures of Mobile Terminal RE or RSE problem -- Robust Option Pricing under Change of Numeraire -- Numerical Simulation Study on Heat Exchange Effect of Open Computer -- A High-Matching Low Noise Differential Charge Pump for PLL -- A 12.5-Gb/s Equalizer with CTLE and a 4-Tap Quarter-Rate DFE in 40nm Technology -- Design and Implementation of a Domain Specific Rule Engine -- High-Speed Circuit Power Integrity |

Design Based on Impedance Characteristic Analysis -- Applying Convolutional Neural Network for Military Object Detection on Embedded Platform -- An Optimization Scheme for Demosaicing Algorithm on GPU Using OpenCL -- The Various Graphs in Graph Computing -- The Implementation and Evaluation of High-Speed Link Monitoring Tool for Supercomputer -- A Survey of Approaches for Promoting Honest Recommendations in Reputation Systems.

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#### Sommario/riassunto

This book constitutes the refereed proceedings of the 22nd CCF Conference on Computer Engineering and Technology, NCCET 2018, held in Yinchuan, China, in August 2018. The 17 full papers presented were carefully reviewed and selected from 120 submissions. They address topics such as processor architecture; application specific processors; computer application and software optimization; technology on the horizon.

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