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Prevention 6.1 Design Rationales and Principles; 6.2 Prototype NNIDS on a Network Interface; 6.3 Evaluation and Results; 6.4 Conclusions; References; Chapter 7. Packet Processing on a SIMD Stream Processor; 7.1 Background: Stream Programs and Architectures; 7.2 AES Encryption; 7.3 IPv4 Forwarding; 7.4 Related Work; 7.5 Conclusions and Future Work; Acknowledgments; References; Chapter 8. A Programming Environment for Packet-Processing Systems: Design Considerations; 8.1 Problem Domain; 8.2 Shangri-La. A Programming Environment for Packet-Processing Systems; 8.3 Design Details and Challenges; 8.4 Conclusions; References; Chapter 9. RNOS-A Middleware Platform for Low-Cost Packet-Processing Devices; 9.1 Scenario; 9.2 Analysis Model of RNOS; 9.3 Implementation Model of RNOS; 9.4 Measurements and Comparison; 9.5 Conclusions and Outlook; Acknowledgments; References; Chapter 10. On the Feasibility of Using Network Processors for DNA Queries; 10.1 Architecture; 10.2 Implementation Details; 10.3 Results; 10.4 Related Work; 10.5 Conclusions; Acknowledgments; References; Chapter 11. Pipeline Task Scheduling on Network Processors; 11.1 The Pipeline Task Assignment Problem; 11.2 The Greedy Pipe Algorithm; 11.3 Pipeline Design with Greedy Pipe; 11.4 A Network Processor Problem; 11.5 Conclusions; Acknowledgments; References; Chapter 12. A Framework for Design Space Exploration of Resource Efficient Network Processing on Multiprocessor SoCs; 12.1 Related Work; 12.2 Modeling Packet-Processing Systems; 12.3 Scheduling; 12.4 Mapping the Application to the System; 12.5 Estimating the Resource Consumption; 12.6 A Design Space Exploration Example; 12.7 Conclusions; Acknowledgments

Sommario/riassunto

The past few years have seen significant change in the landscape of high-end network processing. In response to the formidable challenges facing this emerging field, the editors of this series set out to survey the latest research and practices in the design, programming, and use of network processors. Through chapters on hardware, software, performance and modeling, Volume 3 illustrates the potential for new NP applications, helping to lay a theoretical foundation for the architecture, evaluation, and programming of networking processors. Like Volume 2 of the series, Volume 3 f

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Sommario/riassunto	A sweet contemporary romance for all those who have had to make peace with the past before they could allow themselves to love... MATT REED IS HIDING ...from his fans ...from his past ...from a failure too painful to contemplate Most of all, Matt is hiding from himself. VIVIENNE FORRESTER IS A WOMAN WHO GIVES HER ALL ...to her friends and family ...to her online food blog ...to the man she loves Vivienne will try anything and everything to coax Matt out of his self-imposed exile. She kicks down every emotional wall he puts up and keeps giving him one more chance. But for this to work, Matt is going to have to meet her halfway... Praise for Samantha Chase: "A fun, flirty, sweet story filled with romance and character growth and a perfect happily ever after."— CARLY PHILLIPS , New York Times bestselling author, for I'll Be There