

Application-driven Development of Flexible Packet-oriented Communication Interfaces



Filesize: 5.5 MB

Reviews

Very useful for all group of people. It is amongst the most incredible pdf i actually have read through. Its been written in an extremely straightforward way and it is just right after i finished reading through this pdf by which basically modified me, change the way i think.
(Felicia Nikolaus)

APPLICATION-DRIVEN DEVELOPMENT OF FLEXIBLE PACKET-ORIENTED COMMUNICATION INTERFACES



To get **Application-driven Development of Flexible Packet-oriented Communication Interfaces** eBook, make sure you access the button beneath and save the file or gain access to other information which are related to APPLICATION-DRIVEN DEVELOPMENT OF FLEXIBLE PACKET-ORIENTED COMMUNICATION INTERFACES book.

Shaker Verlag Okt 2010, 2010. Taschenbuch. Condition: Neu. Neuware - Application- driven Development of Flexible Packet -oriented Communication Interfaces Today's heterogeneous SoC platforms deploy concurrent processing cores in increasing numbers. But their diverse 10 interfaces remain dedicated non-programmable hardware modules, which are integrated separately and relatively late during the design process. Aimed at fully programmable and homogeneous platforms in network and multimedia domains, this dissertation explores the feasibility of programmable approaches for packet-oriented 10 interfaces in three steps: 1) Modeling and analysis of 10 interfaces with respect to a common structure and elementary functions, 11) Design of a Y-chart based methodology and a set of domain-specific tools for the application-driven development (SystemClick: performance modeling) and later deployment (CRACC, embedded code generation) of flexible 10 interfaces, and 1 11) the quantitative exploration of the programmable interface design space based on a strictly modular platform (NOVA). Case studies of pcr Express, Hypertransport, RapidIO, Ethernet, and Wireless LAN demonstrate feasibility and current limitations of a common protocol-agnostic and truly programmable implementation. Heutige SoCs sind heterogene Plattformen, die mehr und mehr programmierbare Prozessorelemente enthalten. Jedoch werden ihre vielfältigen Funktionen weiterhin in protokoll-spezifischen Hardwaremodulen realisiert, welche nicht programmierbar sind und welche während des Systementwurfs erst relativ spät Berücksichtigung finden. Um flexiblere und homogenere Plattformen für den Einsatz im Netzwerk und Multimediabereich zu ermöglichen, untersucht diese Arbeit die Realisierbarkeit von programmierbaren 10 Schnittstellen für Paket orientierte Kommunikationsprotokolle in drei Schritten: 1) Analyse von Schnittstellen hinsichtlich einer gemeinsamen Struktur und gemeinsamer Grundfunktionen, 2) Entwicklung einer domain-spezifischen Methodik und entsprechender Werkzeuge für den systematischen Entwurf (SystemClick: Performanzmodellierung) und den späteren effizienten Einsatz (Cracc: Codegenerierung), und 3) Quantitative Exploration des Entwurfsraums für 10 Schnittstellen unter Nutzung der Komponenten einer durchgängig modularen Hard- und Software Plattform (NOVA). Anhand...



[Read Application-driven Development of Flexible Packet-oriented Communication Interfaces Online](#)



[Download PDF Application-driven Development of Flexible Packet-oriented Communication Interfaces](#)



[Download ePub Application-driven Development of Flexible Packet-oriented Communication Interfaces](#)

Other Books



[PDF] Pete's Peculiar Pet Shop: The Very Smelly Dragon (Gold A)

Click the hyperlink under to read "Pete's Peculiar Pet Shop: The Very Smelly Dragon (Gold A)" file.

[Read eBook](#)

»



[PDF] Grandpa Spanielson's Chicken Pox Stories: Story #1: The Octopus (I Can Read Book 2)

Click the hyperlink under to read "Grandpa Spanielson's Chicken Pox Stories: Story #1: The Octopus (I Can Read Book 2)" file.

[Read eBook](#)

»



[PDF] Six Steps to Inclusive Preschool Curriculum: A UDL-Based Framework for Children's School Success

Click the hyperlink under to read "Six Steps to Inclusive Preschool Curriculum: A UDL-Based Framework for Children's School Success" file.

[Read eBook](#)

»



[PDF] Houdini's Gift

Click the hyperlink under to read "Houdini's Gift" file.

[Read eBook](#)

»



[PDF] DK Readers L4: Danger on the Mountain: Scaling the World's Highest Peaks

Click the hyperlink under to read "DK Readers L4: Danger on the Mountain: Scaling the World's Highest Peaks" file.

[Read eBook](#)

»



[PDF] Edge] the collection stacks of children's literature: Chunyang Qiuyun 1.2 --- Children's Literature 2004(Chinese Edition)

Click the hyperlink under to read "Edge] the collection stacks of children's literature: Chunyang Qiuyun 1.2 --- Children's Literature 2004(Chinese Edition)" file.

[Read eBook](#)

»

**[PDF] Look Up, Look Down! (Pink A)**

Click the hyperlink listed below to download "Look Up, Look Down! (Pink A)" PDF document.

[Read Document](#)

»

**[PDF] Trucktown, Tyres for Ted (Lilac)**

Click the hyperlink listed below to download "Trucktown, Tyres for Ted (Lilac)" PDF document.

[Read Document](#)

»

**[PDF] Unbored Adventure: 70 Seriously Fun Activities for Kids and Their Families**

Click the hyperlink listed below to download "Unbored Adventure: 70 Seriously Fun Activities for Kids and Their Families" PDF document.

[Read Document](#)

»

**[PDF] Frances Hodgson Burnett's a Little Princess**

Click the hyperlink listed below to download "Frances Hodgson Burnett's a Little Princess" PDF document.

[Read Document](#)

»

**[PDF] Fun math blog Grade Three Story(Chinese Edition)**

Click the hyperlink listed below to download "Fun math blog Grade Three Story(Chinese Edition)" PDF document.

[Read Document](#)

»

**[PDF] Freight Train (UK ed)**

Click the hyperlink listed below to download "Freight Train (UK ed)" PDF document.

[Read Document](#)

»