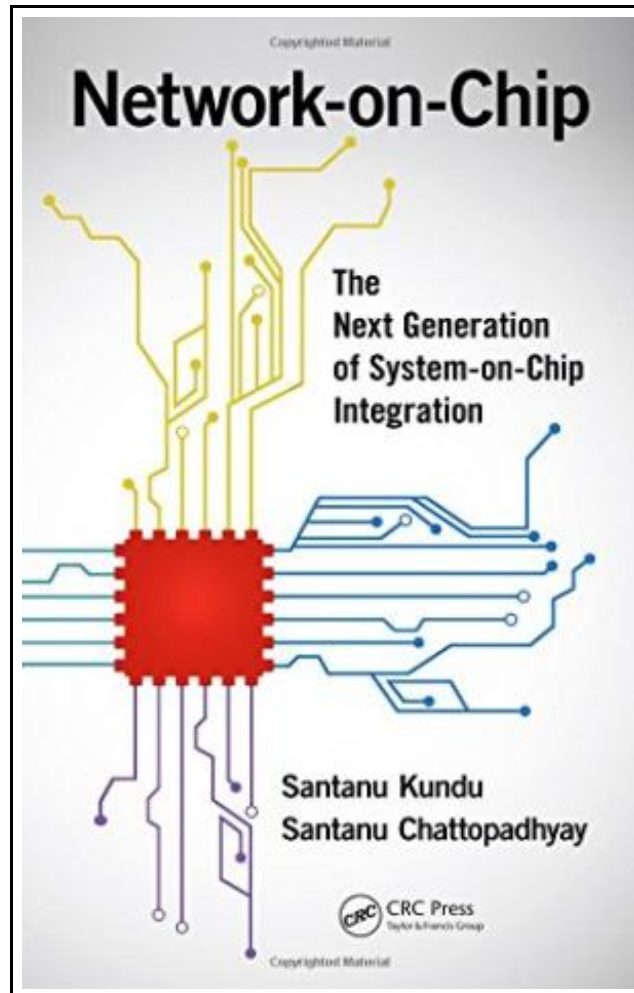


Network-On-Chip: The Next Generation of System-on-Chip Integration (Hardback)



Filesize: 8.74 MB

Reviews

*It is a single of my personal favorite pdf. It really is written in basic words instead of hard to understand. Your daily life period will be transformed as soon as you complete looking over this pdf.
(Vena Sauer DDS)*

NETWORK-ON-CHIP: THE NEXT GENERATION OF SYSTEM-ON-CHIP INTEGRATION (HARDBACK)



Taylor Francis Inc, United States, 2014. Hardback. Book Condition: New. 241 x 162 mm. Language: English . Brand New Book. Addresses the Challenges Associated with System-on-Chip Integration Network-on-Chip: The Next Generation of System-on-Chip Integration examines the current issues restricting chip-on-chip communication efficiency, and explores Network-on-chip (NoC), a promising alternative that equips designers with the capability to produce a scalable, reusable, and high-performance communication backbone by allowing for the integration of a large number of cores on a single system-on-chip (SoC). This book provides a basic overview of topics associated with NoC-based design: communication infrastructure design, communication methodology, evaluation framework, and mapping of applications onto NoC. It details the design and evaluation of different proposed NoC structures, low-power techniques, signal integrity and reliability issues, application mapping, testing, and future trends. Utilizing examples of chips that have been implemented in industry and academia, this text presents the full architectural design of components verified through implementation in industrial CAD tools. It describes NoC research and developments, incorporates theoretical proofs strengthening the analysis procedures, and includes algorithms used in NoC design and synthesis. In addition, it considers other upcoming NoC issues, such as low-power NoC design, signal integrity issues, NoC testing, reconfiguration, synthesis, and 3-D NoC design. This text comprises 12 chapters and covers:

- * The evolution of NoC from SoC-its research and developmental challenges
- * NoC protocols, elaborating flow control, available network topologies, routing mechanisms, fault tolerance, quality-of-service support, and the design of network interfaces
- * The router design strategies followed in NoCs
- * The evaluation mechanism of NoC architectures
- * The application mapping strategies followed in NoCs
- * Low-power design techniques specifically followed in NoCs
- * The signal integrity and reliability issues of NoC
- * The details of NoC testing strategies reported so far
- * The problem of synthesizing application-specific NoCs
- *...



Read Network-On-Chip: The Next Generation of System-on-Chip Integration (Hardback) Online



Download PDF Network-On-Chip: The Next Generation of System-on-Chip Integration (Hardback)

See Also



The First Epistle of H. N. a Crying-Voyce of the Holye Spirit of Loue. Translated Out of Base-Almayne Into English. (1574) (Paperback)

Eebo Editions, Proquest, United States, 2010. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.EARLY HISTORY OF RELIGION. Imagine holding history in your hands. Now...

[Download ePub »](#)



The Right Kind of Pride: A Chronicle of Character, Caregiving and Community (Paperback)

Right Kind of Pride, United States, 2014. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.After 20 years of marriage author Christopher Cudworth and his...

[Download ePub »](#)



The Voice Revealed: The True Story of the Last Eyewitness (Paperback)

World Bible Publishers Inc, United States, 2007. Paperback. Book Condition: New. 175 x 107 mm. Language: English . Brand New Book. For God expressed His love for the world in this way: He gave His...

[Download ePub »](#)



The Web Collection, Revealed: Adobe Creative Cloud Update (Mixed media product)

Cengage Learning, Inc, United States, 2013. Mixed media product. Book Condition: New. Premium ed. 241 x 193 mm. Language: English . Brand New Book. Your Adobe Creative Cloud package includes two components: 1) Online access...

[Download ePub »](#)



Oxford First Illustrated Science Dictionary (Paperback)

Oxford University Press, United Kingdom, 2013. Paperback. Book Condition: New. 241 x 188 mm. Language: English . Brand New Book. The Oxford First Illustrated Science Dictionary supports the curriculum and gives your child a head...

[Download ePub »](#)

**Write Better Stories and Essays: Topics and Techniques to Improve Writing Skills for Students in Grades 6 - 8: Common Core State Standards Aligned (Paperback)**

Createspace Independent Publishing Platform, United States, 2012. Paperback. Book Condition: New. 277 x 211 mm. Language: English . Brand New Book ***** Print on Demand *****.Mr. George Smith, a children s book author, has been

[Save PDF »](#)

**ESL Stories for Preschool: Book 1 (Paperback)**

Createspace, United States, 2013. Paperback. Book Condition: New. 212 x 210 mm. Language: English . Brand New Book ***** Print on Demand *****.A big attractive colourful book for ESL beginners, aged 3 to 5. It

[Save PDF »](#)

**Bully, the Bullied, and the Not-So Innocent Bystander: From Preschool to High School and Beyond: Breaking the Cycle of Violence and Creating More Deeply Caring Communities (Paperback)**

HarperCollins Publishers Inc, United States, 2016. Paperback. Book Condition: New. Reprint. 203 x 135 mm. Language: English . Brand New Book. An international bestseller, Barbara Coloroso s groundbreaking and trusted guide on bullying-including cyberbullying-arms parents

[Save PDF »](#)

**Oxford Reading Tree Read with Biff, Chip, and Kipper: Phonics: Level 4: Quick! Quick! (Hardback)**

Oxford University Press, United Kingdom, 2011. Hardback. Book Condition: New. 172 x 142 mm. Language: English . Brand New Book. Read With Biff, Chip and Kipper is the UK s best-selling home reading series. It

[Save PDF »](#)

**Oxford Reading Tree Read with Biff, Chip, and Kipper: Phonics: Level 5: Dolphin Rescue (Hardback)**

Oxford University Press, United Kingdom, 2011. Hardback. Book Condition: New. 172 x 142 mm. Language: English . Brand New Book. Read With Biff, Chip and Kipper is the UK s best-selling home reading series. It

[Save PDF »](#)