



Networks on chips [technology and tools /

Benini, Luca (1967-)

Elsevier Morgan Kaufmann Publishers, c2006

Monografía

The design of today's semiconductor chips for various applications, such as telecommunications, poses various challenges due to the complexity of these systems. These highly complex systems-on-chips demand new approaches to connect and manage the communication between on-chip processing and storage components and networks on chips (NoCs) provide a powerful solution. This book is the first to provide a unified overview of NoC technology. It includes in-depth analysis of all the on-chip communication challenges, from physical wiring implementation up to software architecture, and a complete classification of their various Network-on-Chip approaches and solutions. * Leading-edge research from world-renowned experts in academia and industry with state-of-the-art technology implementations/trends * An integrated presentation not currently available in any other book * A thorough introduction to current design methodologies and chips designed with NoCs

<https://rebiunoda.pro.baratznet.cloud:38443/OpacDiscovery/public/catalog/detail/b2FpOmNlbGVicmF0aW9uOmVzLmJhcmF0ei5yZW4vMTE2OTUwNzY>

Título: Networks on chips [Recurso electrónico] technology and tools Luca Benini and Giovanni De Micheli

Editorial: Amsterdam Boston Elsevier Morgan Kaufmann Publishers c2006

Descripción física: x, 395 p. il

Mención de serie: EBSCO Academic eBook Collection Complete The Morgan Kaufmann series in systems on silicon

Bibliografía: Incluye referencias bibliográficas e índice

Contenido: Networks on chip -- Network architecture : principles and examples -- Physical network layer -- The data-link layer in NoC design -- Network and transport layers in networks on chip -- Network interface architecture and design issues -- NoC programming -- Design methodologies and CAD tool flows for NoCs -- Designs and implementations of NoC-based SoCs

Detalles del sistema: Forma de acceso: World Wide Web

ISBN: 9780123705211 0123705215 9780080473567 0080473563

Autores: De Micheli, Giovanni

Baratz Innovación Documental

- Gran Vía, 59 28013 Madrid
- (+34) 91 456 03 60
- informa@baratz.es