Handbook of Research on Redesigning the Future of Internet Architectures

Part of the Advances in Web Technologies and Engineering (AWTE) Book Series

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Description:
As the volume of global Internet traffic increases, the Internet is beginning to suffer from a broad spectrum of performance-degrading infrastructural limitations that threaten to jeopardize the continued growth of new, innovative services. In answer to this challenge, computer scientists seek to maintain the original design principles of the Internet while allowing for a more dynamic approach to the manner in which networks are designed and operated.

The Handbook of Research on Redesigning the Future of Internet Architectures covers some of the hottest topics currently being debated by the Internet community at large, including Internet governance, privacy issues, service delivery automation, advanced networking schemes, and new approaches to Internet traffic-forwarding and path-computation mechanics.

Readers:
Targeting students, network-engineers, and technical strategists, this book seeks to provide a broad and comprehensive look at the next wave of revolutionary ideas poised to reshape the very foundation of the Internet as we know it.


Topics Covered:
- Application-Enabled Collaborative Networking (AECN)
- Content Delivery Networks
- Healthcare Service-Delivery
- Internet Governance
- Mobile Networking
- Network Function Virtualization
- Online Anonymity
- Power-Aware Networking
- Routing Schemes
- Service-Oriented Networking
- Transport Networks

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Martin A Negron, George Washington University
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Internet identity and the right to be forgotten: international trends and regulatory perspectives
Valentina Amenta, Institute for Informatics and Telematics - Italian National Research Council
Adriana Lazzaroni, Institute for Informatics and Telematics - Italian National Research Council
Laura Abba, Institute of Informatics and Telematics of the Italian National Research Council (CNR)
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Towards Privacy Awareness in Internet Technologies
Hosnieh Rafiee, Huawei Technologies Dusseldorf GmbH
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Service-aware Networking
David Griffin, University College London
Miguel Rio, University College London
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Luc Vermoesen, Alcatel-Lucent Bell NV
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University of Electronic Science and Technology of China (UESTC)
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Application enabled collaborative networking: AECN
Tirumaleswar Reddy Konda, Cisco systems
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The whole world is going mobile
Charles E Perkins
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